



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Peerless Products, Inc.

2403 South Main

Fort Scott, KS 66701

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "G041A & G041B Thermally Broken" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. PEER0001, titled "Series G041 Fixed Aluminum Thermally Broken Window", sheets 1 through 16 of 16, dated 02/13/13, with revision A dated 09/23/13, prepared by PTC Product Design Group, LLC, signed and sealed by Robert James Amoroso, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence pages E-1 and E2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



MP
10/29/13

NOA No. 13-0409.14
Expiration Date: November 07, 2018
Approval Date: November 07, 2013
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **PEER0001**, titled "Series G041 Fixed Aluminum Thermally Broken Window", sheets 1 through 16 of 16, dated 02/13/13, with revision A dated 09/23/13, prepared by PTC Product Design Group, LLC, signed and sealed by Robert James Amoruso, P.E.

B. TESTS


1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of a series G041A and G041B aluminum fixed window, prepared by Construction Consulting Laboratory, International, Test Report No. **CCLI-11-125**, dated 06/29/11, and amendment letter dated 09/24/13, all signed and sealed by Abdol Rezadad, P.E.

C. CALCULATIONS

1. Anchor calculations and structural analysis, complying with **FBC-2010**, dated 03/01/13, prepared by PTC Product Design Group, LLC, signed and sealed by Robert James Amoruso, P.E.
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 13-0409.14
Expiration Date: November 07, 2018
Approval Date: November 07, 2013

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

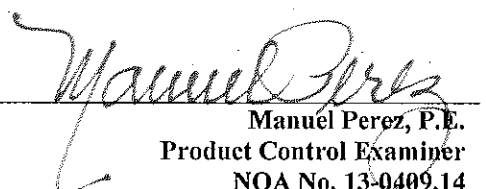
1. Notice of Acceptance No. **13-0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.
2. Test report No. **ATI-61261.01-106-18**, prepared by Architectural Testing, Inc., dated 12/08/05, with revision date 01/04/06, issued to **Technoform**, for their **I-Strut Insulating Strip** comprised of Polyamide with 25% glass fibers, per **ASTM D635-03** "Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position" and **ASTM D2843-99** "Standard Test Method for the Density of Smoke from the Burning Decomposition of Plastics", signed and sealed by Joseph A. Reed, P.E.
3. Test report No. **ETC-07-1043-19094.0**, prepared by ETC Laboratories, dated 02/04/08, issued to Technoform Bautech NA, Inc., for their **I-Strut Insulating Strip** comprised of Polyamide with 25% glass fibers, per **ASTM D638-03** "*Standard Test Methods for Tensile Properties of Plastics*", for exposed & unexposed sample per Xenon Arc after 4500 Hours, signed and sealed by Joseph Labora Doldan, P.E.
4. Test report No. **ETC-08-1043-20974.0**, prepared by ETC Laboratories, dated 07/01/08, issued to Technoform, for their **I-Strut Insulating Strip** comprised of Polyamide with 25% glass fibers, per **ASTM D1929-96** "*Standard Test Method for Ignition Properties of Plastics*", signed and sealed by Joseph Doldan, P.E.
5. Material Data Sheet for "insulating profiles made of PA 66 GF25 - dry impact resistant, to fit into Technoform I-Strut™ Aluminum Standard Reglet.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-2010**, and of no financial interest, dated April 01, 2013, signed and sealed by Robert James Amoruso, P.E.
2. Proposal No. **10-1105** issued by Product Control, dated October 22, 2010, signed by Manuel Perez, P.E.

G. OTHER

1. None.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 13-0409.14
Expiration Date: November 07, 2018
Approval Date: November 07, 2013

PEERLESS PRODUCTS, INC.

SERIES G041 FIXED ALUMINUM THERMALLY BROKEN WINDOW - IMPACT

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

- THIS PRODUCT HAS BEEN TESTED, EVALUATED AND DESIGNED TO THE DESIGN PRESSURE(S) STATED HEREIN AS FOLLOWS.
 - IN COMPLIANCE WITH THE 2010 FLORIDA BUILDING CODE - SECTIONS 1609.1.2, 1626, 1715.5.2, 1715.5.4 AND 2411.3 AND TO THE 2010 FLORIDA RESIDENTIAL CODE - SECTIONS R301.2.1.2, R612.6, R612.10, R4403.16 AND R4410.2.3.
 - PERFORMANCE STANDARDS:
 - TAS 201-94, LARGE MISSILE IMPACT
 - TAS-202-94
 - TAS 203-94
- THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT NO. CCLI #11-125, DATED JUNE 29, 2011 AND ASSOCIATED LABORATORY DRAWINGS BY CONSTRUCTION CONSULTING LABORATORY, INTL. TESTING WAS CONDUCTED TO TAS 201-94, TAS 202-94 AND TAS 203-94.
- THIS PRODUCT EVALUATION DOCUMENT IS FOR USE IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE / MASONRY, 2X FRAMING AND METAL FRAMING SUBSTRATES AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT ACTING AS THE DESIGN PROFESSIONAL OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT ACTING AS THE DESIGN PROFESSIONAL OF RECORD FOR THE PROJECT OF INSTALLATION.
- AN APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED ON THIS PRODUCT WHEN INSTALLED IN AREAS REQUIRING WIND BORNE DEBRIS PROTECTION. THIS INCLUDES THE HIGH VELOCITY WIND ZONE (HVHZ).
- SITE CONDITIONS NOT COVERED IN THIS PRODUCT EVALUATION DOCUMENT ARE SUBJECT TO ADDITIONAL ENGINEERING ANALYSIS BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
- MATERIALS:
 - WINDOW FRAME MATERIAL: ALUMINUM ALLOY 6063-T5
 - LAMINATED GLAZING INTERLAYERS: DUPONT BUTACITE INTERLAYER MATERIAL PER CURRENT MD NOA.
 - THERMAL BREAK MATERIAL: POLYAMIDE WITH REINFORCED GLASS FIBERS BY ENSINGER OR TECHNOFORM.
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300-09a.
- DESIGNATION "O" STANDS FOR THE FOLLOWING FIXED SASH.
- THESE DRAWINGS CERTIFY THE WINDOW INSTALLATION ONLY. RECOMMENDATIONS FOR SEALING PROVIDED BY THE MANUFACTURER HAVE BEEN INCLUDED. WATER RESISTIVE SEALING OF THE INSTALLED WINDOW IS NOT PART OF THIS INSTALLATION CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER AND/OR THE INSTALLER.

PERFORMANCE AND IMPACT RATING		
GLAZING DETAIL	DESIGN PRESSURE RATING	IMPACT RATING
A	+/- 80 PSF	LARGE AND SMALL MISSILE IMPACT
B	+/- 80 PSF	LARGE MISSILE IMPACT
C	+/- 80 PSF	LARGE AND SMALL MISSILE IMPACT
SEE SHEET 13 FOR LIMITATIONS RELATED TO GLAZING DETAIL B.		

INSTALLATION NOTES:

- PRODUCT ANCHORS SHALL BE AS DESIGNATED AND LOCATED AS SHOWN IN THIS PRODUCT EVALUATION DOCUMENT. ANCHOR EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING.
- SEE INSTALLATION ANCHOR SCHEDULE ON SHEET 2 FOR TYPE AND GRADE OF ANCHOR, AND/OR MANUFACTURER'S ANCHOR SPECIFICATIONS, INCLUDING MINIMUM NOMINAL SIZE, MINIMUM EMBEDMENT INTO SUBSTRATE AND MINIMUM EDGE DISTANCES.
 - EDGE DISTANCES SHALL BE MEASURED FROM CENTERLINE OF ANCHOR TO EDGE OF STRUCTURAL SUBSTRATE EITHER TO THE INTERIOR OR EXTERIOR OF THE FENESTRATION PRODUCT.
 - MINIMUM EMBEDMENT SHALL BE BASED ON PENETRATION INTO MAIN WIND FORCE RESISTING SYSTEM SUBSTRATE.
- SEE SHEETS 3 AND 4 FOR ANCHOR SPACING AND QUANTITIES FOR MAXIMUM WINDOW SIZE SHOWN. ANCHOR QUANTITIES CAN BE REDUCED ON SMALLER WINDOWS IF ANCHOR SPACING LIMITATIONS ARE MET. SEE SHEETS 5, 6, 7 AND 8 FOR SPECIFIC ANCHOR INSTALLATION DETAILS.
- FOR INSTALLATION USING SLIDE-ON INSTALLATION STRAP/CLIP, TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN. FOR G041B INSTALLATION USING RECEPTOR SUBFRAME, ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- MAXIMUM ALLOWABLE SHIM THICKNESS IS 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF WOOD COMPOSITE, HIGH DENSITY PLASTIC OR SIMILAR LOAD BEARING MATERIAL.
- FOR CONCRETE BLOCK APPLICATIONS DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED IN THE INSTALLATION ANCHOR SCHEDULE ON SHEET 2.

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PROJECT # 412-0906

PEERLESS PRODUCTS, INC.

PO BOX 431, 2403 S. MAIN STREET
FORT SCOTT, KS 66701

TITLE: SERIES G041 FIXED ALUMINUM THERMALLY BROKEN WINDOW
GENERAL NOTES, INSTALLATION NOTES & TABLE OF CONTENTS

PREPARED BY: RJA DATE: 02/13/13

DRAWING NO: PEER0001

SHEET: 1 OF 16

REV: A

DESCRIPTION: REV

DATE: 9/23/13

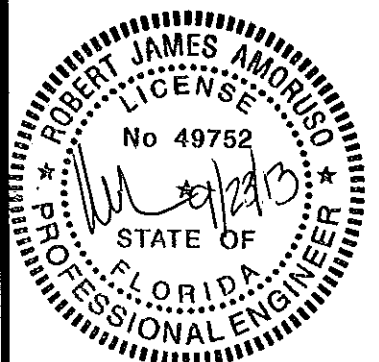
REVISOR: RJA

COMMENTS: REVISED PER MIAMI-DADE COMMENTS REC'D 8/6/13

Approved as complying with the
Florida Building Code
Date: 9/23/13
NOA# 13-0469-12
Miami Dade Product Control

By: *Manuel Perez*

Robert J. Amoroso, P.E.
Florida P.E. No. 49752



INSTALLATION ANCHOR SCHEDULE - SLIDE-ON STRAP OPTION "A"

INSTALLATION TYPE	FASTENER HEAD TYPE	FASTENER SIZE	SUBSTRATE	MANUFACTURER AND/OR SPECIFICATION	MIN. EMBEDMENT (IN)	MIN. EDGE DISTANCE (IN)	MIN. SPACING (IN) BETWEEN FRAME ANCHORS *	ANCHOR CAPACITIES BASED ON
INSTALLATION CLIP	FLAT OR HEX HEAD	3/16"	CONCRETE	ITW TAPCONS (1)	1-1/2"	1-1/8"	3"	MIN. 2000 PSI CONCRETE
				ELCO ULTRACONS	1-3/4"	1"	1.125"	MIN. 2500 PSI CONCRETE
			MASONRY (BLOCK/CMU)	ITW TAPCONS (1)	1"	2"	3"	STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT (DENSITY > 117 PCF)
				ELCO ULTRACONS	1-1/4"	2.5"	1.125"	
	FLAT OR PAN HEAD	NO. 12	WOOD	ANSI B18.6.1 (WOOD SCREW) (2)	1-3/8"	7/8"	2.5"	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.55.
				ASME B18.6.4 (TAPPING SCREW) (2)				

* DOES NOT INCLUDE ANCHOR SPACING ON STRAP. THAT HAS BEEN ACCOUNTED FOR IN ENGINEERING EVALUATION.

INSTALLATION ANCHOR SCHEDULE - RECEPTOR SUBFRAME OPTION "B"

INSTALLATION TYPE	FASTENER HEAD TYPE	FASTENER SIZE	SUBSTRATE	MANUFACTURER AND/OR SPECIFICATION	EMBEDMENT (IN)	EDGE DISTANCE (IN)	MIN. SPACING (IN) BETWEEN FRAME ANCHORS	ANCHOR CAPACITIES BASED ON
SUBFRAME	FLAT OR HEX HEAD	1/4"	CONCRETE	ITW TAPCONS (1)	1-1/2"	1-1/2"	4"	MIN. 2000 PSI CONCRETE
				ELCO ULTRACONS	1-3/4"	1"	3"	MIN. 2500 PSI CONCRETE
			MASONRY (BLOCK/CMU)	ITW TAPCONS (1)	1"	2"	4"	STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT (DENSITY > 117 PCF)
				ELCO ULTRACONS	1-1/4"	1"	6"	
	FLAT OR PAN HEAD	NO. 14	WOOD	ANSI B18.6.1 (WOOD SCREW) (2)	1-1/2"	1"	2.5"	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.55.
				ASME B18.6.4 (TAPPING SCREW) (2)				

NOTES:

- 1) WHEN ITW TAPCONS ARE USED FOR CONCRETE/MASONRY INSTALLATION, THEY SHALL BE THE ADVANCED THREADFORM TECHNOLOGY TYPE.
- 2) FOR WOOD AND TAPPING SCREWS INSTALLATION INTO WOOD SUBSTRATE; IF SPLITTING IS A CONCERN, DRILL 0.1365" PILOT HOLE (DRILL SIZE 29) FOR NO. 12 AND 0.155" PILOT HOLE (DRILL SIZE 23) FOR NO. 14.

PROJECT # 412-0906				RJA	BY
				9/23/13	DATE
				REVISED PER MIAMI-DADE COMMENTS REC'D 8/6/13	DESCRIPTION

PEERLESS PRODUCTS, INC.
PO BOX 431, 2403 S. MAIN STREET
FORT SCOTT, KS 66701

TITLE: SERIES G041 FIXED ALUMINUM THERMALLY BROKEN WINDOW
INSTALLATION ANCHOR SCHEDULE & INSTALLATION NOTES

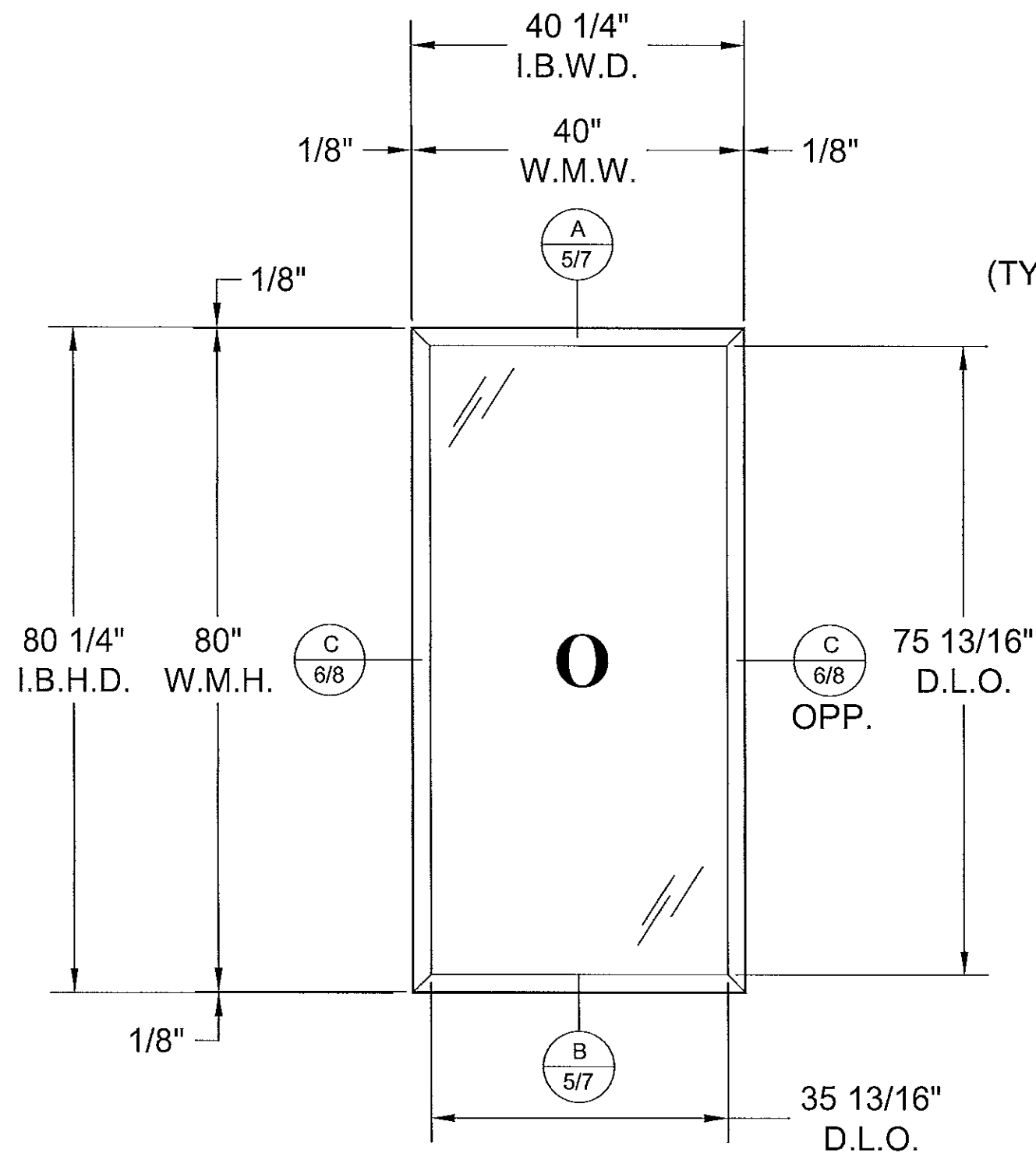
PREPARED BY: RJA
DATE: 02/13/13
DRAWING NO: PEER0001
SCALE: N.T.S.
REV: A
SHEET: 2 OF 16

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32752
Phone: 321.490.1788
Fax: 321.490.1789
Email: info@ptc-corp.com

Approved as complying with the
Florida Building Code
Date: Nov. 1, 2013
NOAH 13-0469.14
Miami Dade Product Control
By: [Signature]

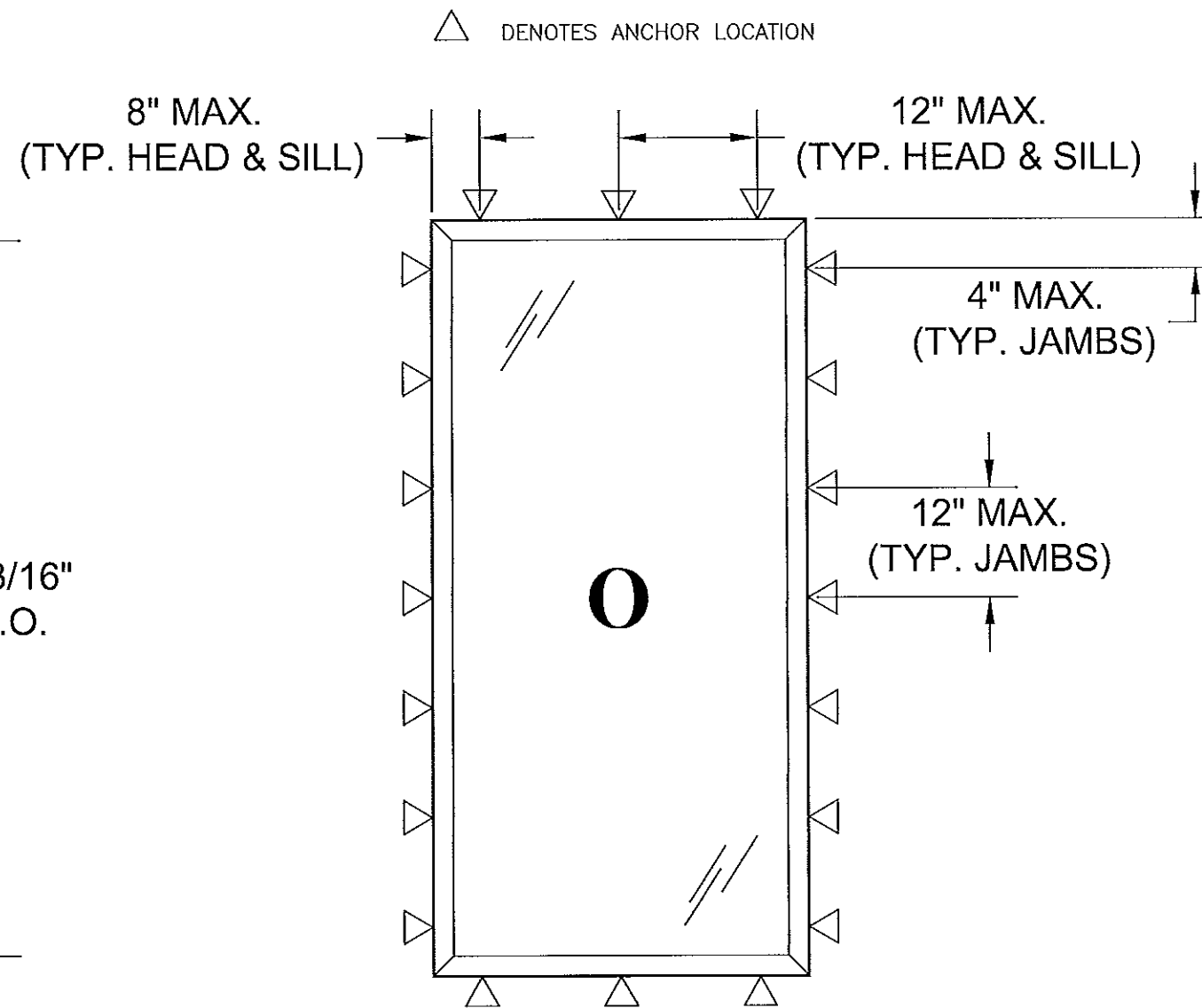
Robert J. Amoroso, P.E.
Florida P.E. No. 49752

Professional Engineer Seal: ROBERT JAMES AMOROSO, No 49752, STATE OF FLORIDA



ELEVATION VIEW

DIMENSION AND SECTION CALL-OUT



ELEVATION VIEW

INSTALLATION ANCHOR LAYOUT

SERIES G041A FIXED WINDOW

EXTERIOR VIEW
WITH SLIDE-ON INSTALLATION STRAP

PROJECT # 412-0906

PEERLESS PRODUCTS, INC.
PO BOX 431, 2403 S. MAIN STREET
FORT SCOTT, KS 66701

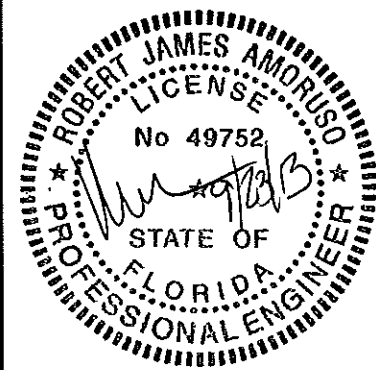
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G041A WITH INST. STRAP - ELEVATION & ANCHORING LAYOUT

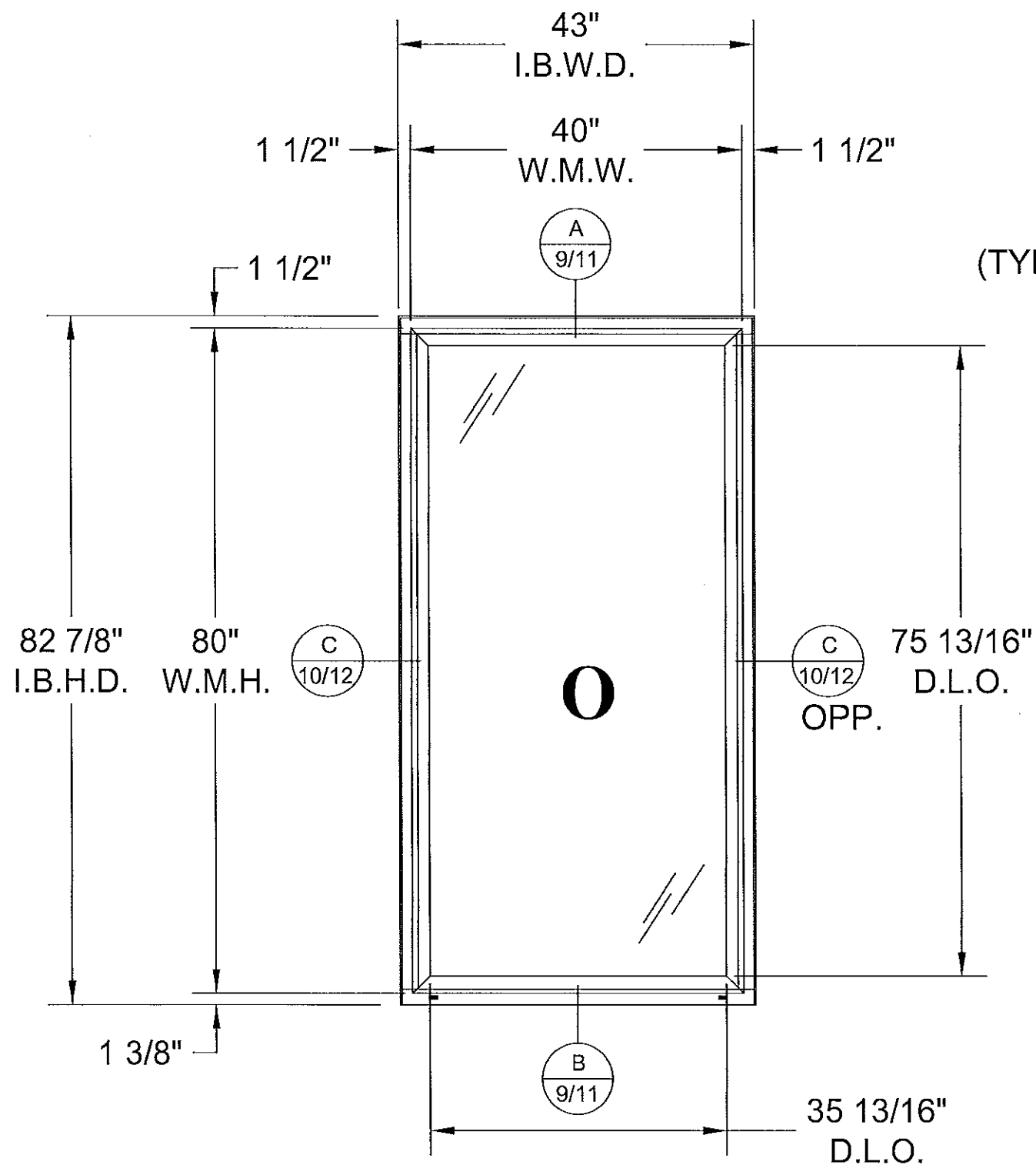
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SCALE:	N.T.S.
REV:	A
SHEET:	3 OF 16

REV	DESCRIPTION	DATE	BY
A	REVISED PER MIAMI-DADE COMMENTS REC'D 8/6/13	9/23/13	RJA

Approved as complying with the
Florida Building Code
Date: Nov 1, 2013
NOA# 13-0409-14
Miami Dade Product Control
By: [Signature]

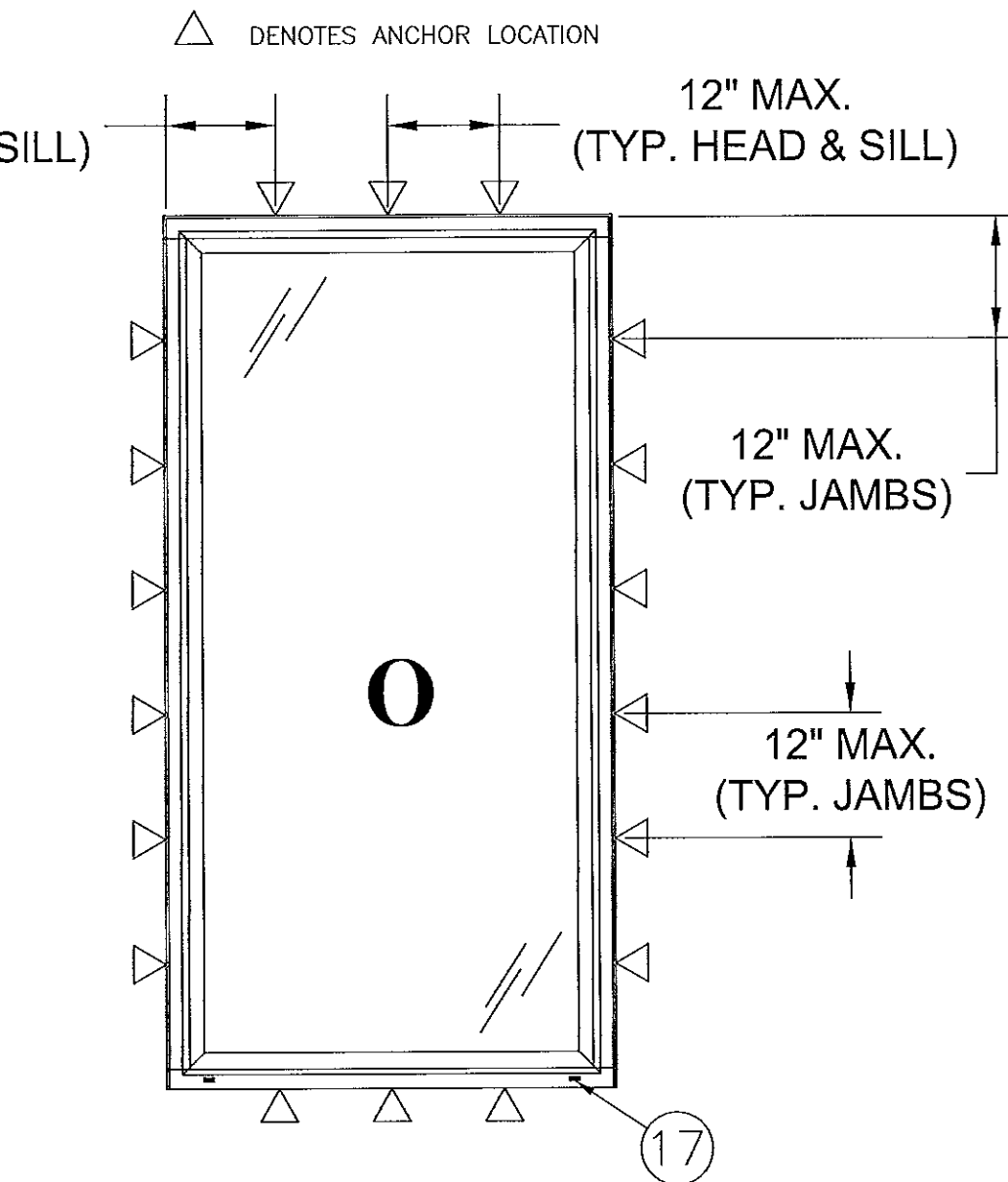
Robert J. Amoroso, P.E.
Florida P.E. No. 49752





ELEVATION VIEW

DIMENSION AND SECTION CALL-OUT



ELEVATION VIEW

INSTALLATION ANCHOR LAYOUT

SERIES G041B FIXED WINDOW

EXTERIOR VIEW
WITH RECEPTOR SUBFRAME

PROJECT # 412-0906

PEERLESS PRODUCTS, INC.
PO BOX 431, 2403 S. MAIN STREET
FORT SCOTT, KS 66701

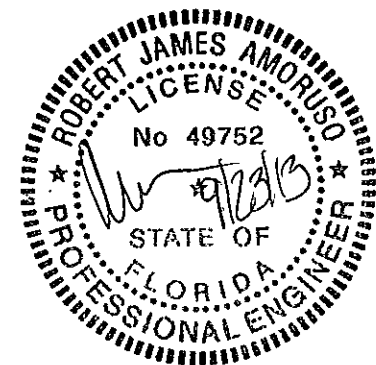
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G041B W/RECEPTOR SUBFRAME - ELEV. & ANCHORING LAYOUT

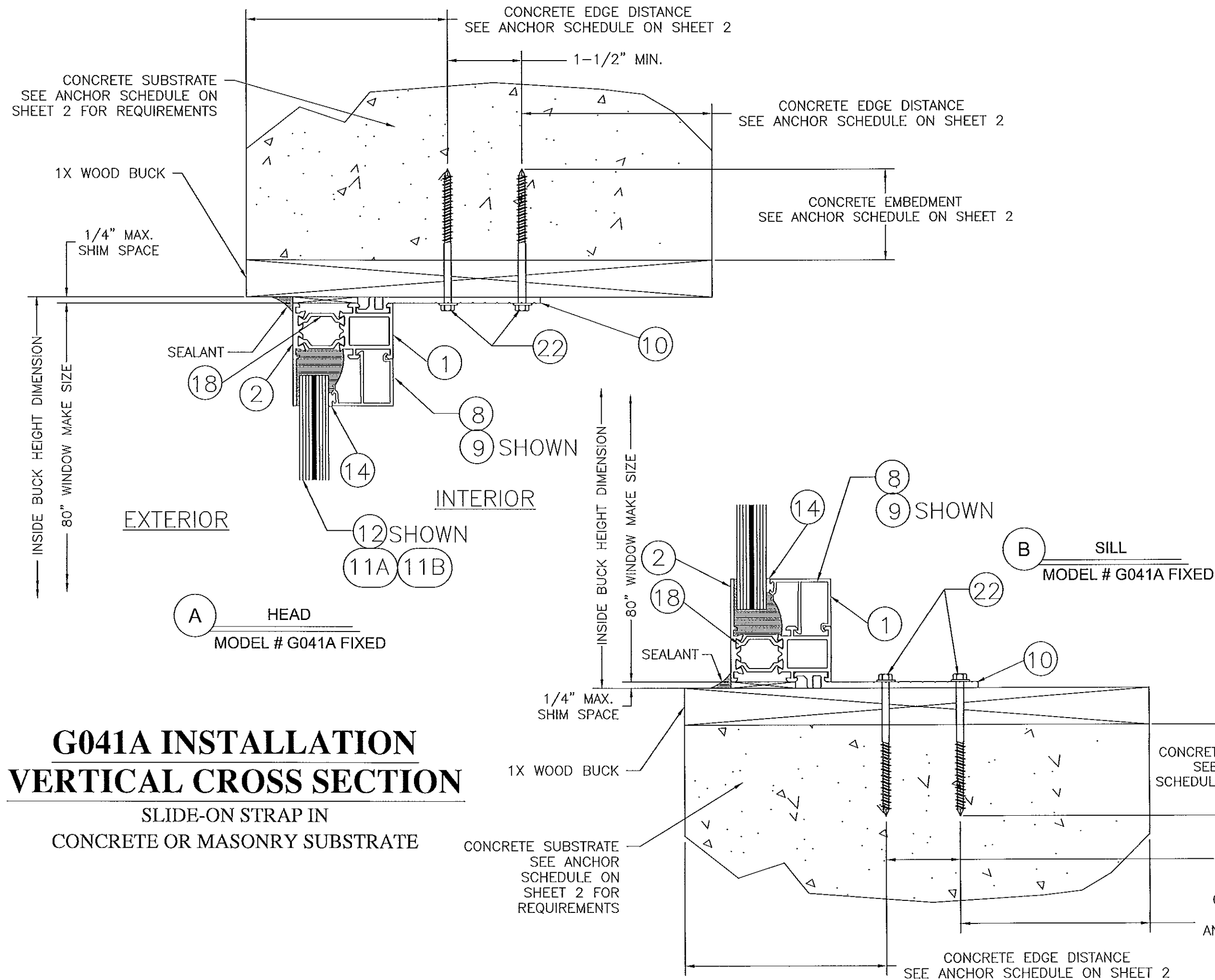
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REV:	A
SHEET:	4 OF 16

REV	DESCRIPTION	DATE	BY
A	REVISED PER MIAMI-DADE COMMENTS REC'D 8/6/13	9/23/13	RJA

Approved as complying with the
Florida Building Code
Date: Nov. 7, 2013
NOA# 13-0409.14
Miami Dade Product Control
By: Manuel Perez

Robert J. Amoroso, P.E.
Florida P.E. No. 49752





G041A INSTALLATION **VERTICAL CROSS SECTION** SLIDE-ON STRAP IN CONCRETE OR MASONRY SUBSTRATE

PROJECT # 412-0906

PEERLESS PRODUCTS, INC.
PO BOX 431, 2403 S. MAIN STREET
FORT SCOTT, KS 66701

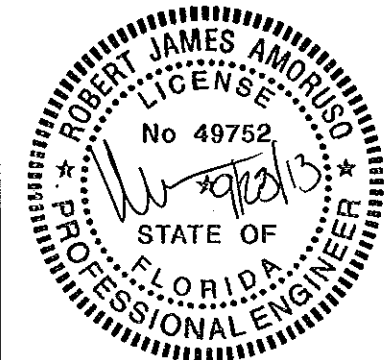
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G041A INSTALLATION VERT. SECTIONS - CONCRETE/MASONRY

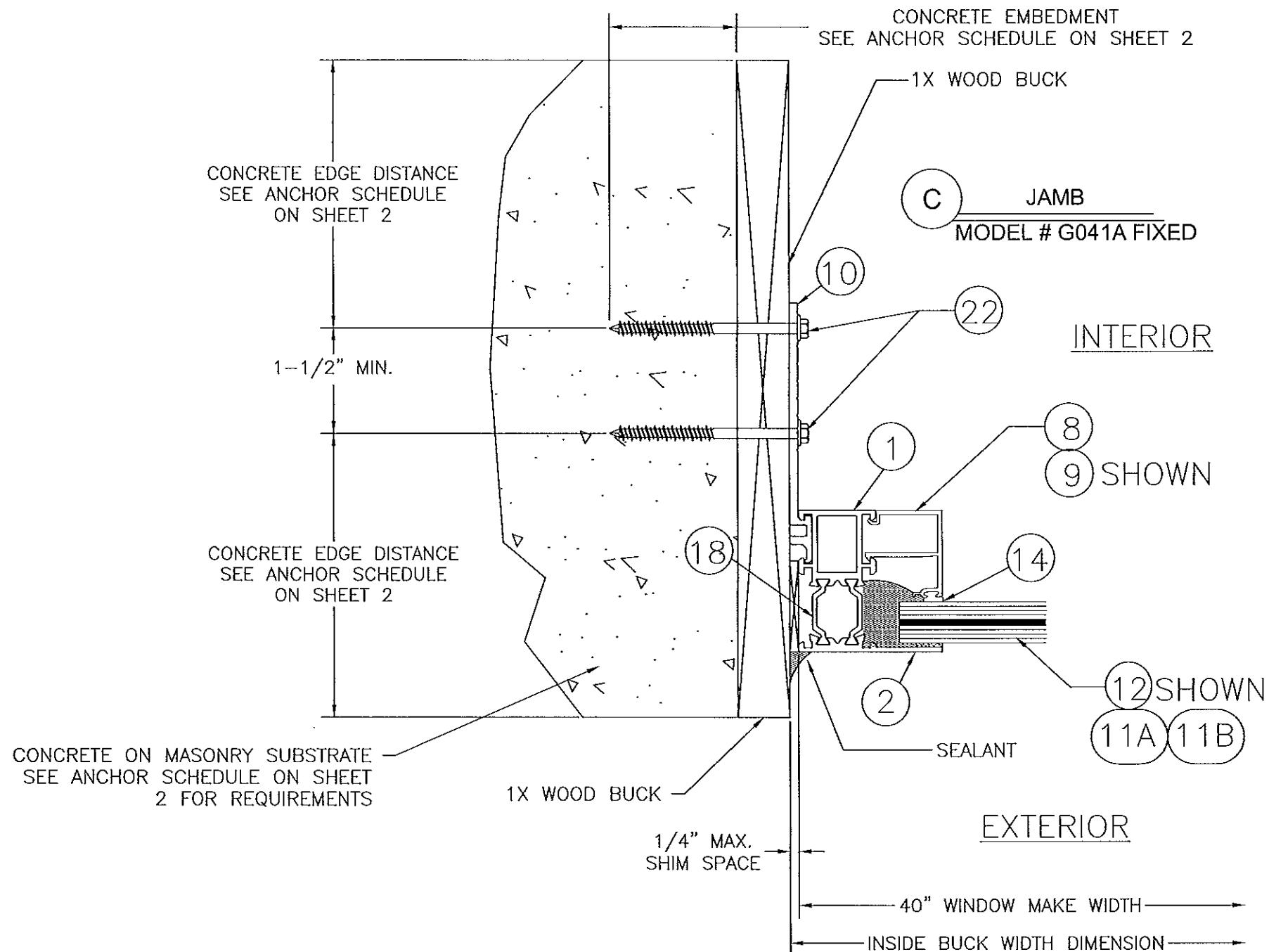
DATE:	02/13/13
DRAWING NO:	PEER0001
SCALE:	N.T.S.
REV:	A
SHEET:	5 OF 16



Approved as complying with the
Florida Building Code
Date: Nov. 7, 2013
NOA# 13-0469-14
Miami Dade Product Control
By: Manuel Ferraz

Robert J. Amoroso, P.E.
Florida P.E. No. 49752





G041A INSTALLATION **HORIZONTAL CROSS SECTION** SLIDE-ON STRAP IN CONCRETE OR MASONRY SUBSTRATE

PROJECT # 412-0906

PEERLESS PRODUCTS, INC.
PO BOX 431, 2403 S. MAIN STREET
FORT SCOTT, KS 66701

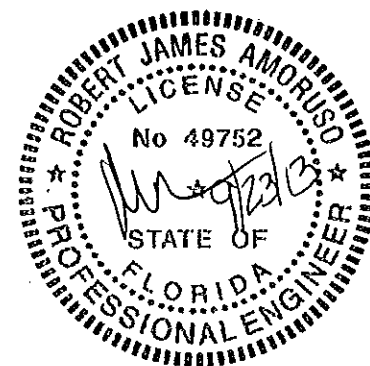
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G041A INSTALLATION HORZ. SECTION - CONCRETE/MASONRY

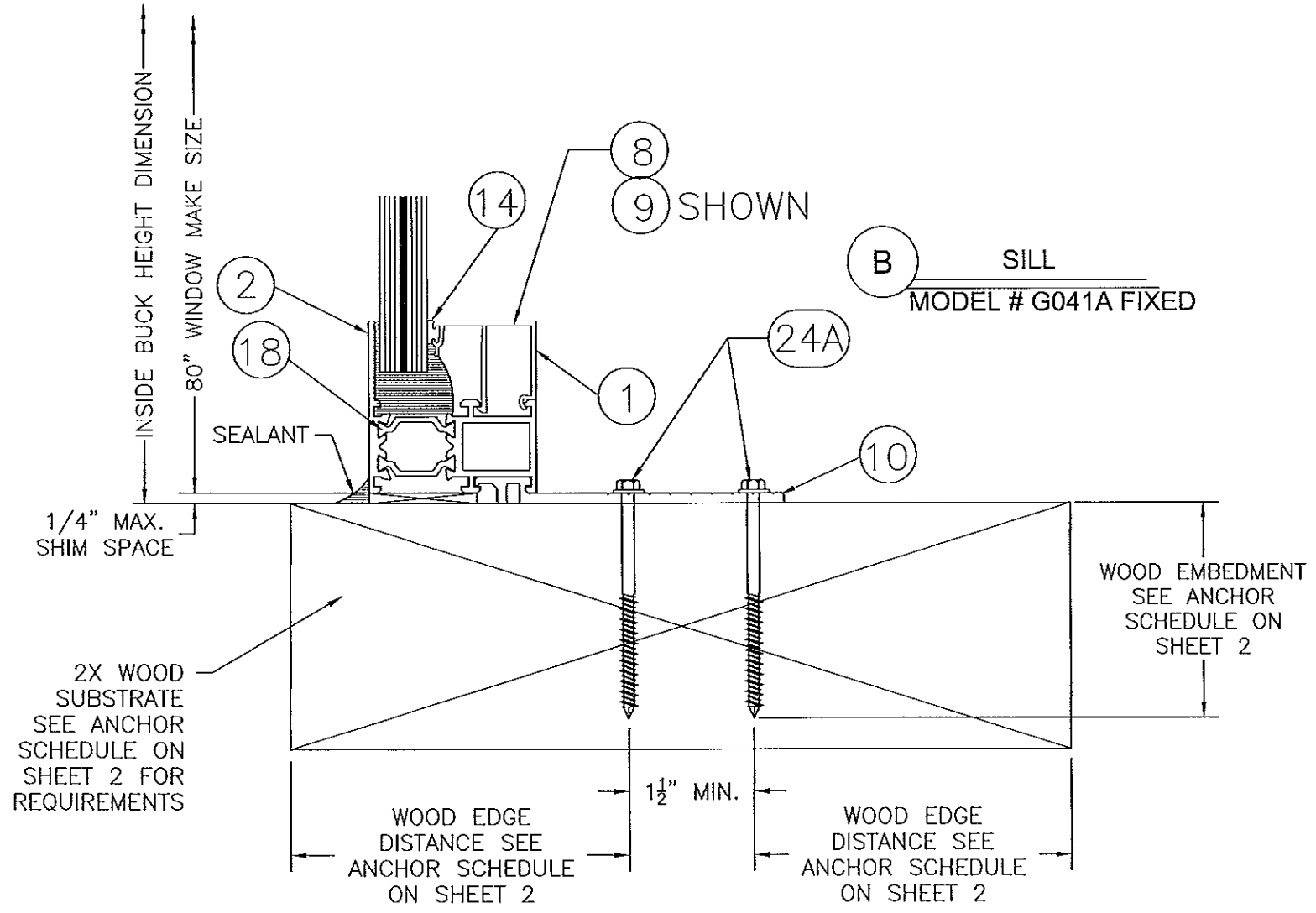
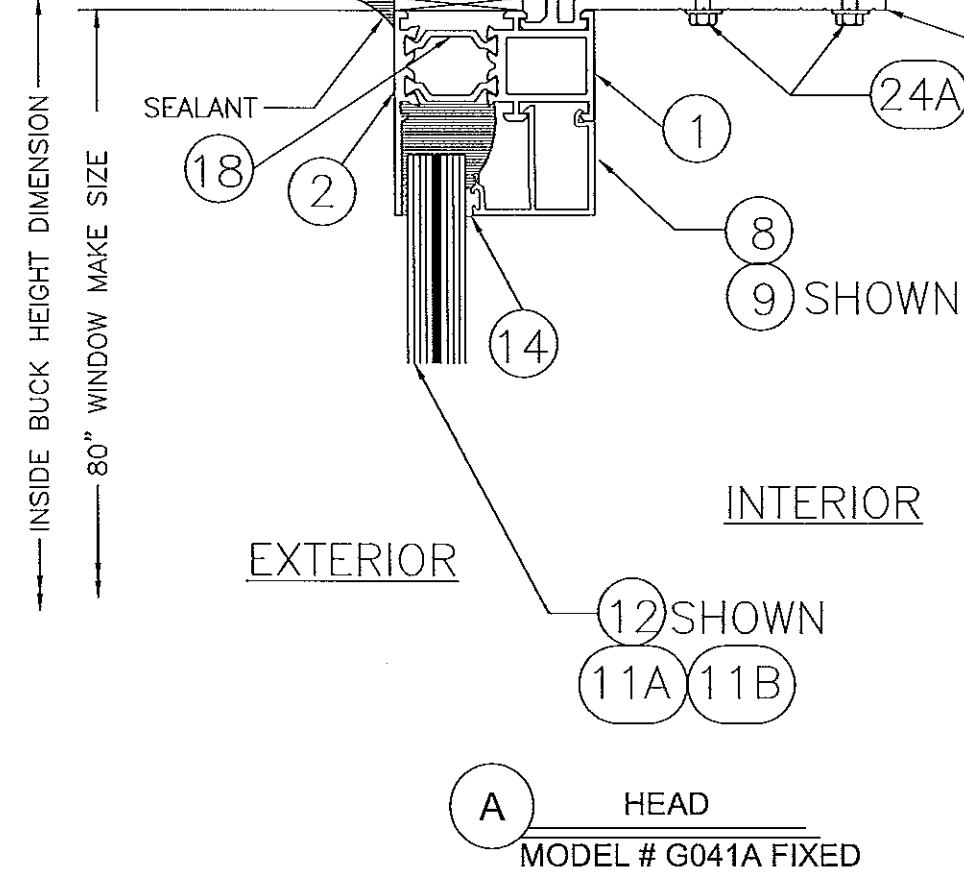
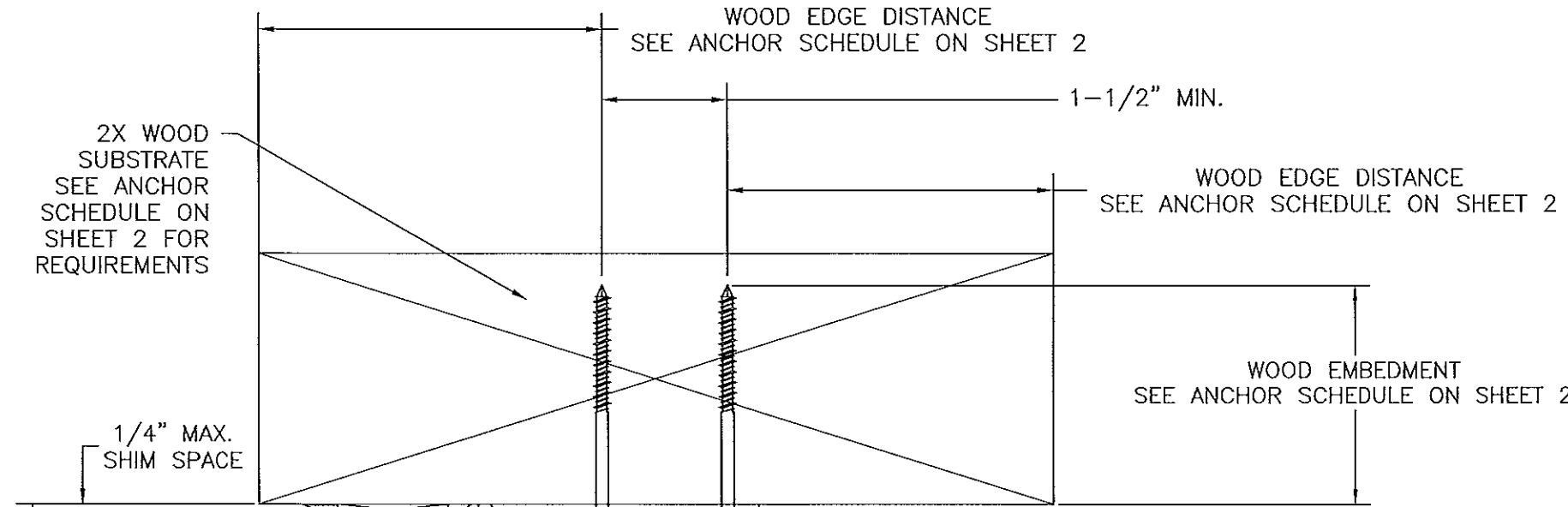
PREPARED BY: DATE: 02/13/13
DRAWN BY: RJA
SCALE: N.T.S.
REV: A
SHEET: 6 OF 16

PTC PRODUCT DESIGN GROUP, LLC
LONGWOOD, FLORIDA 32752
PHONE: 321.690.1789
FAX: 321.690.1789
EMAIL: info@ptcgrp.com

Approved as complying with the
Florida Building Code
Date: Nov. 7, 2013
NOAH 13-0469-14
Miami Dade Product Control
By: *Manuel Arg*

Robert J. Amoroso, P.E.
Florida P.E. No. 49752





G041A INSTALLATION **VERTICAL CROSS SECTION** SLIDE-ON STRAP IN WOOD SUBSTRATE

PROJECT # 412-0906

PEERLESS PRODUCTS, INC.
 PO BOX 431, 2403 S. MAIN STREET
 FORT SCOTT, KS 66701

TITLE: SERIES G041 FIXED ALUMINUM THERMALLY BROKEN WINDOW
 G041A INSTALLATION VERT. SECTIONS - WOOD

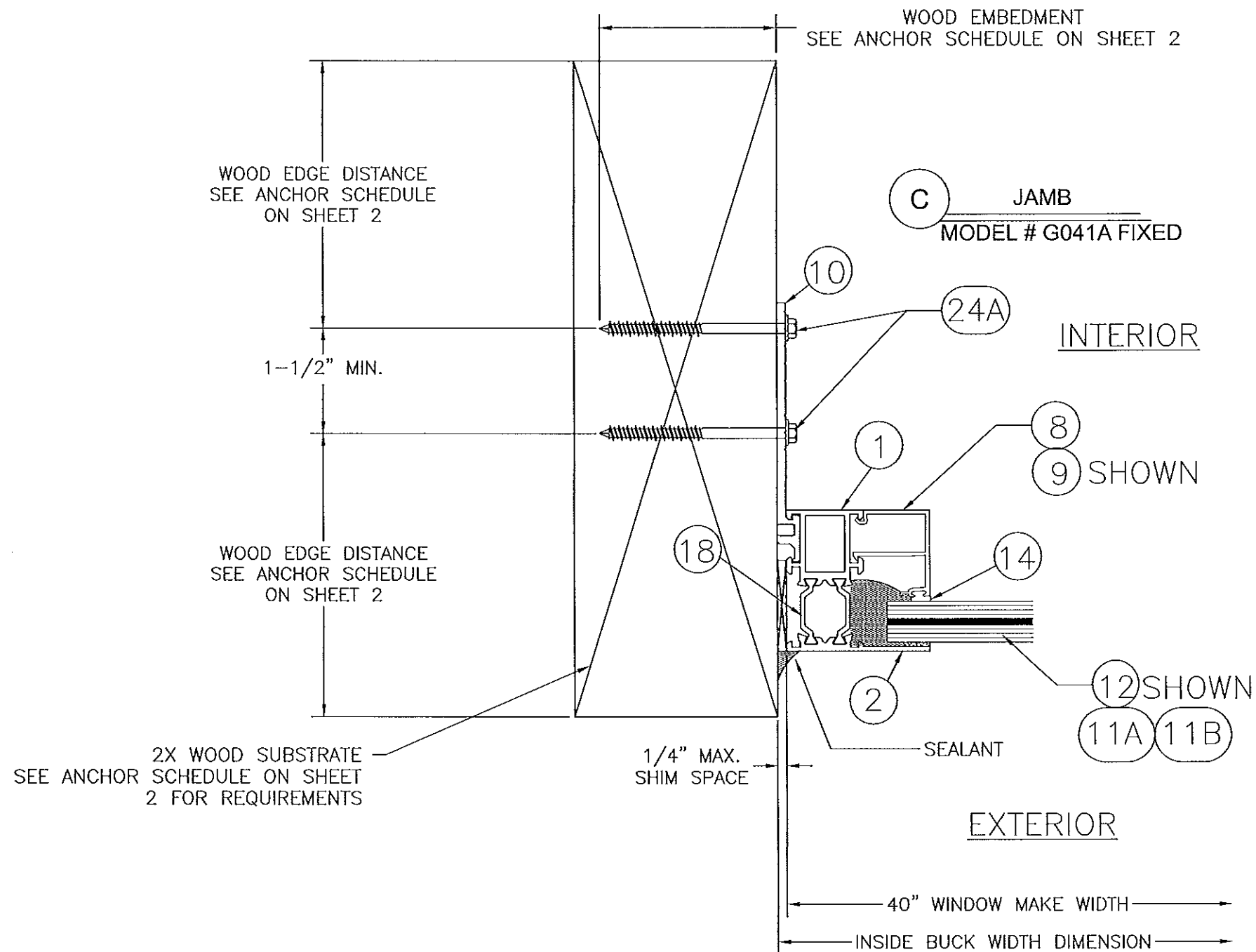
DATE:	02/13/13
DRAWN BY:	RJA
SCALE:	N.T.S.
REV:	A
SHEET:	7 OF 16
DESCRIPTION	REV
DATE	9/23/13
BY	RJA

PTG PRODUCT DESIGN GROUP, LLC
 PO BOX 520775
 LONGWOOD, FL 32752
 Phone: 321.880.1788
 Fax: 321.880.1789
 Email: info@ptg-corp.com
 PSE CA. NO. 2885

Approved as complying with the
 Florida Building Code
 Date: Nov. 7, 2013
 NOA# 13-0409.12
 Miami Dade Product Control
 By: *Manuel Perez*

Robert J. Amoroso, P.E.
 Florida P.E. No. 49752

ROBERT JAMES AMOROSO
 LICENSE
 No 49752
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER



G041A INSTALLATION HORIZONTAL CROSS SECTION

SLIDE-ON STRAP IN WOOD SUBSTRATE

PROJECT # 412-0906

PEERLESS PRODUCTS, INC.
PO BOX 431, 2403 S. MAIN STREET
FORT SCOTT, KS 66701

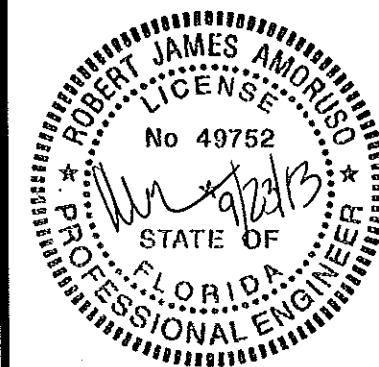
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G041A INSTALLATION HORZ. SECTION - WOOD

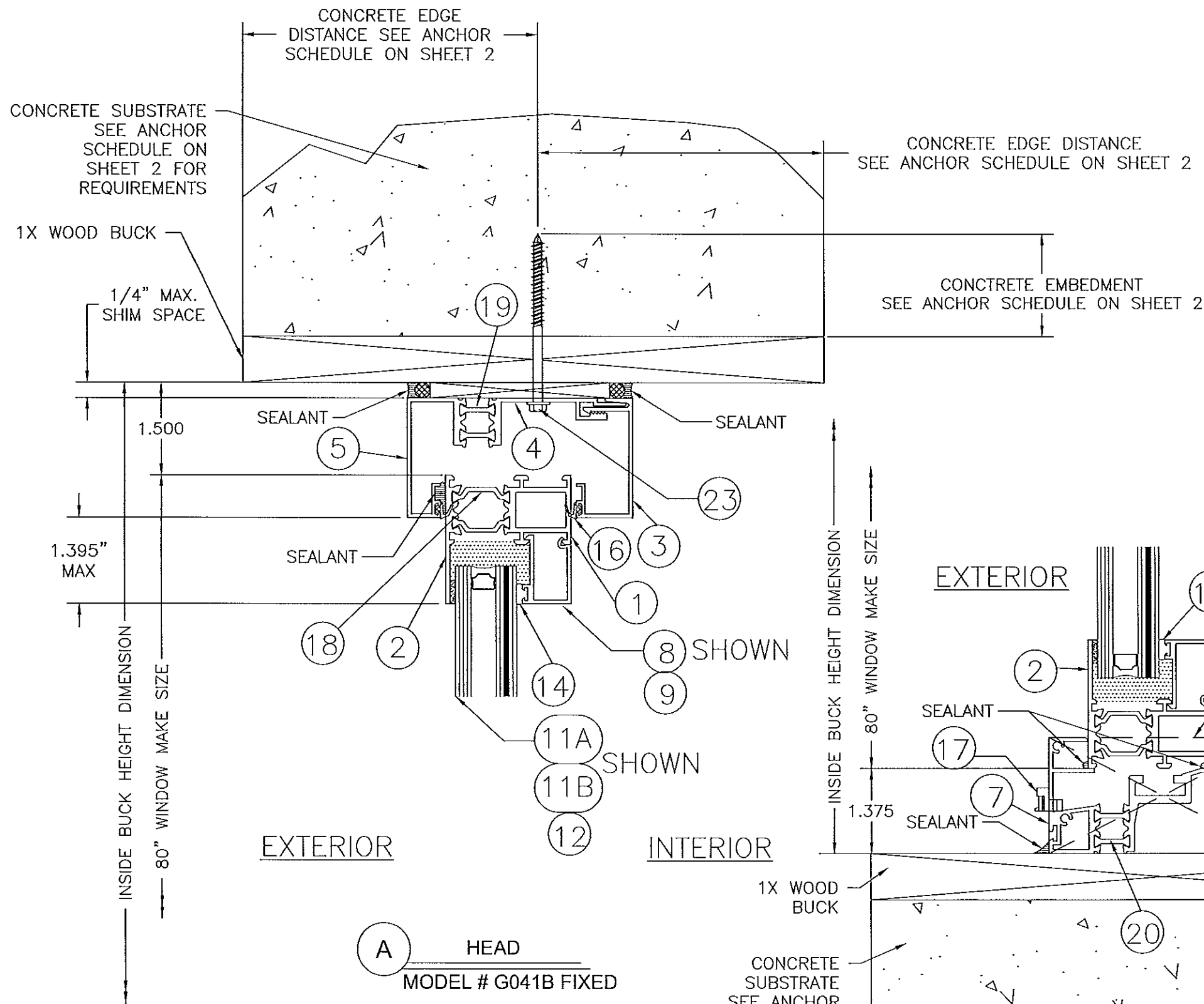
PREPARED BY: RJA
DATE: 02/13/13
DRAWING NO: PEER0001
SCALE: N.T.S.
REV: A
SHEET: 8 OF 16

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32752
Phone: 321.680.1789
Fax: 321.680.1789
Email: info@ptc-corp.com
PEFC-COA NO. 2385

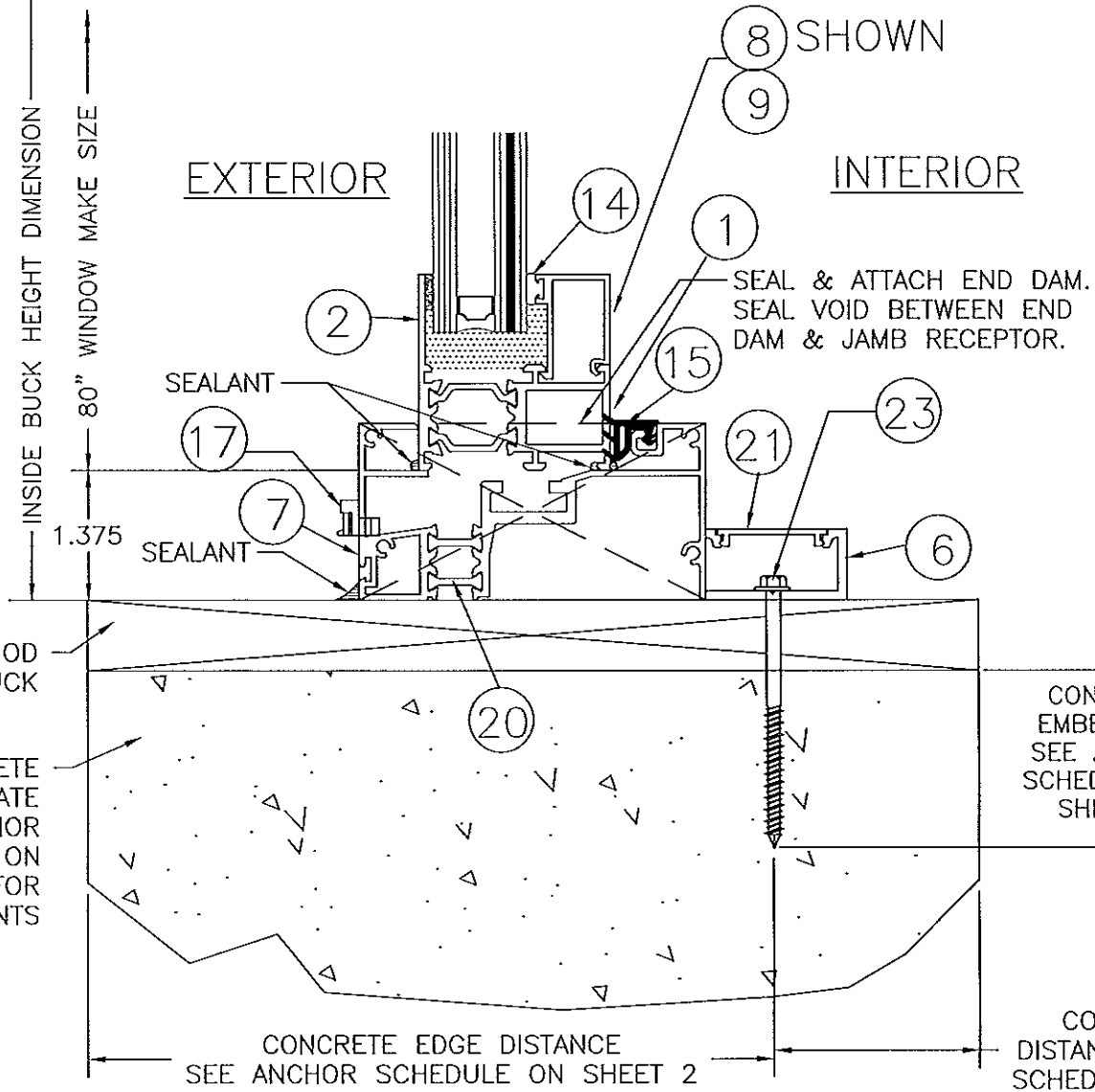
Approved as complying with the
Florida Building Code
Date: Nov. 7, 2013
NOA# 13-0409-14
Miami Dade Product Control
By: *Mauro Piro*

Robert J. Amoroso, P.E.
Florida P.E. No. 49752





A HEAD
MODEL # G041B FIXED



B SILL
MODEL # G041B FIXED

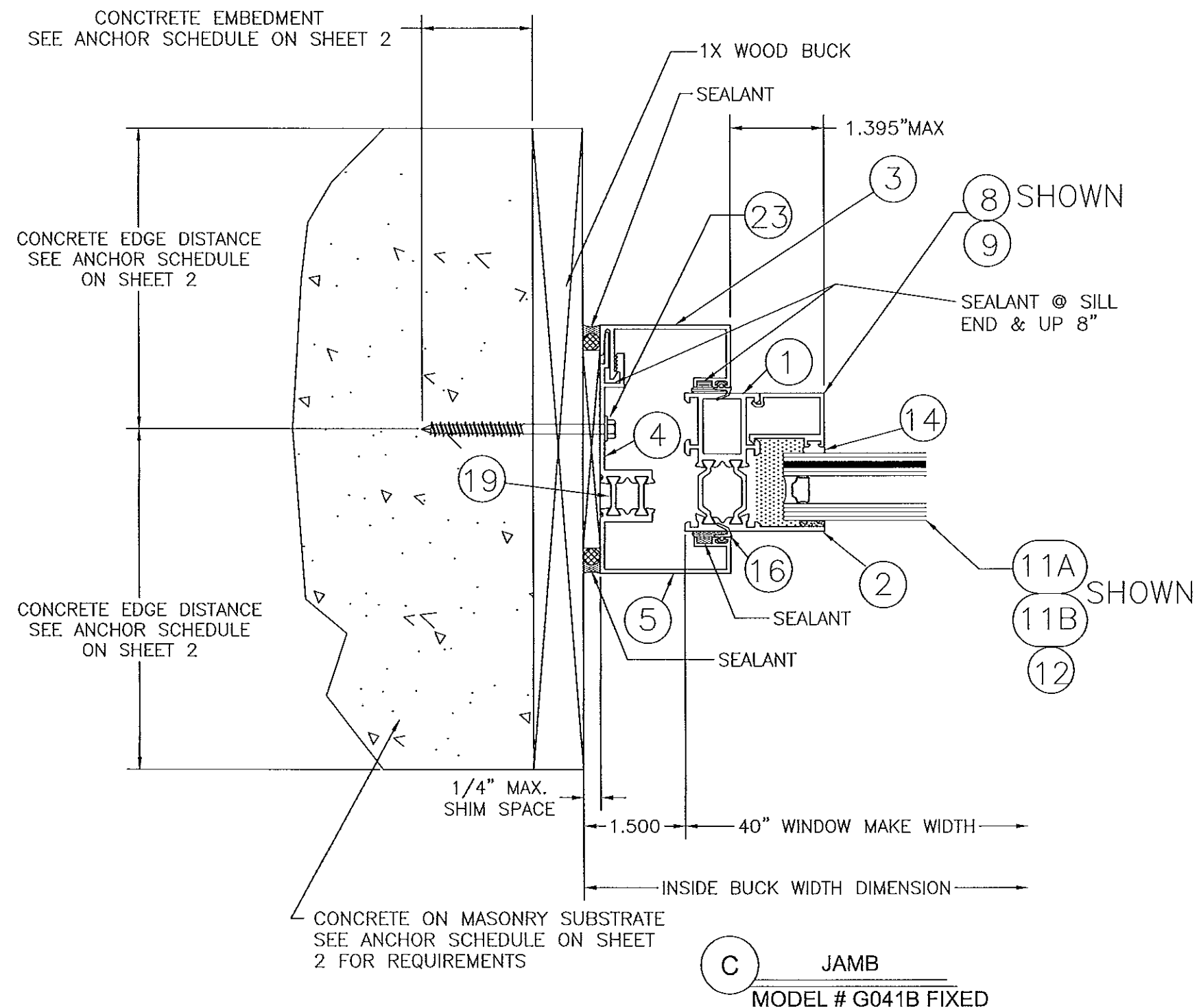
G041B INSTALLATION **VERTICAL CROSS SECTION** SUBFRAME IN CONCRETE OR MASONRY SUBSTRATE

PROJECT # 412-0906			
		REVISED PER MIAMI-DADE COMMENTS REC'D 8/6/13	RJA
		DESCRIPTION	DATE
		REV	BY

PEERLESS PRODUCTS, INC. PO BOX 431, 2403 S. MAIN STREET FORT SCOTT, KS 66701			
TITLE: SERIES G041 FIXED ALUMINUM THERMALLY BROKEN WINDOW G041B INSTALLATION VERT. SECTIONS - CONCRETE/MASONRY	DATE: 02/13/13	DRAWING NO: PEER0001	SHEET: 9 OF 16
PREPARED BY: RJA	SCALE: N.T.S.	REV: A	
<small>PTC PRODUCT DESIGN GROUP, LLC 1000 N. 10TH ST. LONGVIEW, TX 75602 Phone: 321.880.1788 Fax: 321.880.1789 Email: info@ptc-corp.com</small>			

Approved as complying with the
 Florida Building Code
 Date: Nov. 7, 2013
 NOA# 13-0409.14
 Miami Trade Product Control
 By: [Signature]

Robert J. Amoroso, P.E.
 Florida P.E. No. 49752



G041B INSTALLATION **HORIZONTAL CROSS SECTION** SUBFRAME IN CONCRETE OR MASONRY SUBSTRATE

PROJECT # 412-0906

PEERLESS PRODUCTS, INC.
PO BOX 431, 2403 S. MAIN STREET
FORT SCOTT, KS 66701

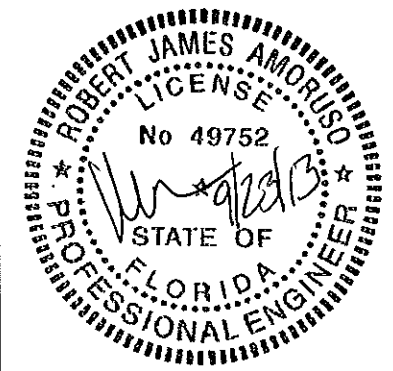
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G041B INSTALLATION HORZ. SECTION - CONCRETE/MASONRY

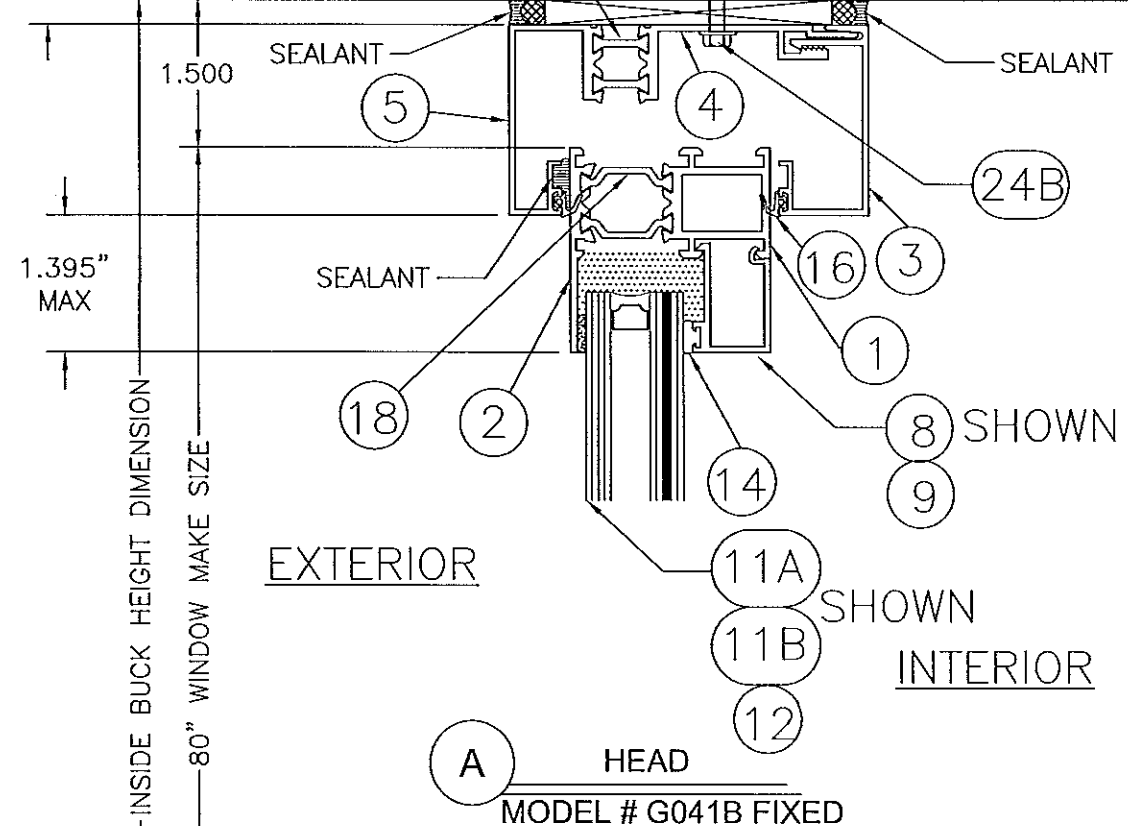
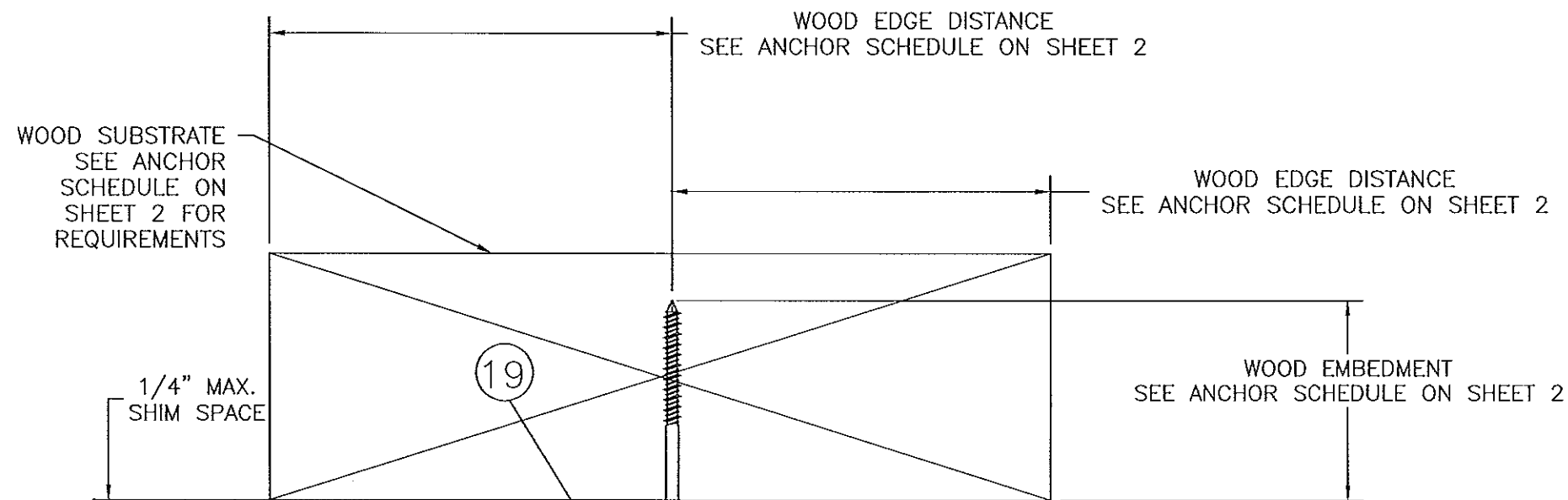
DATE:	02/13/13
DRAWING NO.:	PEER0001
SCALE:	N.T.S.
REV:	A
SHEET:	10 OF 16



Approved as complying with the
Florida Building Code
Date: Nov 7, 2013
NOA# 13-0409-14
Miami Dade Product Control
By: Manuel Perez

Robert J. Amoroso, P.E.
Florida P.E. No. 49752





G041B INSTALLATION **VERTICAL CROSS SECTION** SUBFRAME IN WOOD SUBSTRATE

WOOD SUBSTRATE
 SEE ANCHOR SCHEDULE ON
 SHEET 2 FOR REQUIREMENTS

WOOD EDGE DISTANCE
 SEE ANCHOR SCHEDULE ON SHEET 2

WOOD EMBEDMENT
 SEE ANCHOR
 SCHEDULE
 ON SHEET 2

WOOD EDGE
 DISTANCE
 SEE ANCHOR
 SCHEDULE
 ON SHEET 2

PROJECT # 412-0906

PEERLESS PRODUCTS, INC.

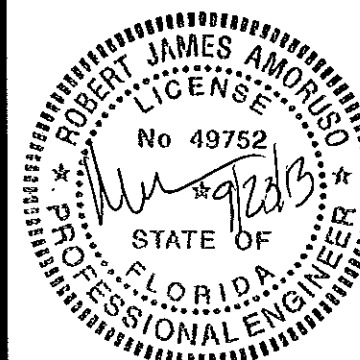
PO BOX 431, 2403 S. MAIN STREET
 FORT SCOTT, KS 66701

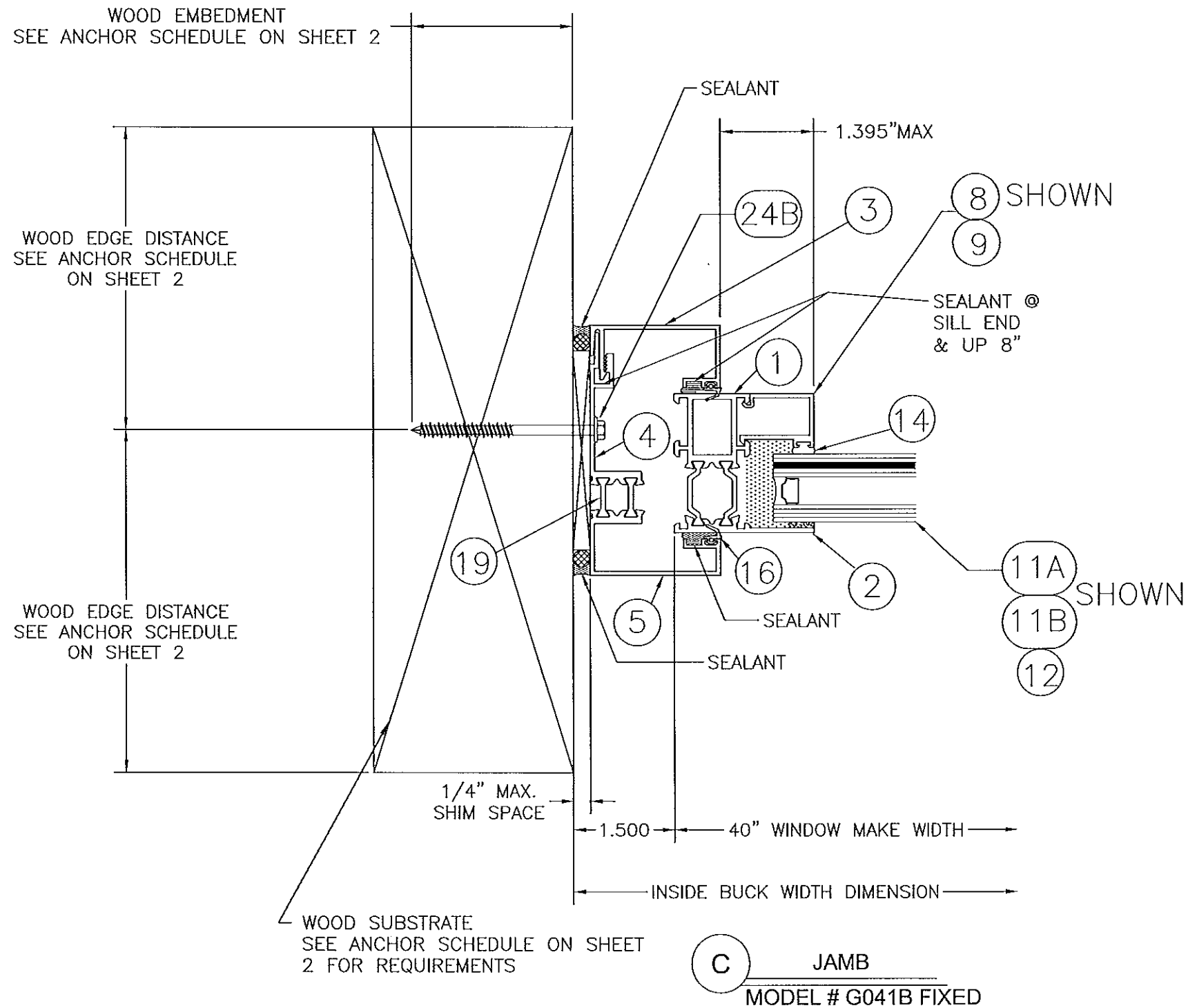
TITLE: SERIES G041 FIXED ALUMINUM THERMALLY BROKEN WINDOW
 G041B INSTALLATION VERT. SECTIONS - WOOD

PREPARED BY:	DATE:	DRAWING NO.:	REV:
RJA	02/13/13	PEER0001	A
SCALE:	N.T.S.	SHEET:	11 OF 16
PTC PRODUCT DESIGN GROUP, LLC	PO BOX 321, 8801 1786	REVISED PER MIAMI-DADE	DESCRIPTION
LONGWOOD, FLORIDA 32752	PHONE: 321.880.1786	COMMENTS REC'D 8/6/13	DATE
FBPE C.A. NO. 2885	FAX: 321.880.1788		BY

Approved as complying with the
 Florida Building Code
 Date Nov. 7, 2013
 NOA# 13-0469-14
 Miami Dade Product Control
 By Maurice Perez

Robert J. Amoroso, P.E.
 Florida P.E. No. 49752





G041B INSTALLATION **HORIZONTAL CROSS SECTION** SUBFRAME IN WOOD SUBSTRATE

PROJECT # 412-0906

PEERLESS PRODUCTS, INC.

PO BOX 431, 2403 S. MAIN STREET

FORT SCOTT, KS 66701

TITLE SERIES G041 FIXED ALUMINUM THERMALLY BROKEN WINDOW
G041B INSTALLATION HORZ. SECTION - WOOD

PREPARED BY:

DATE:

02/13/13

RJA

SCALE:

N.T.S.

REV:

A

SHEET:

12 OF 16

PEER0001

DESCRIPTION

DATE

9/23/13

REVISED PER MIAMI-DADE

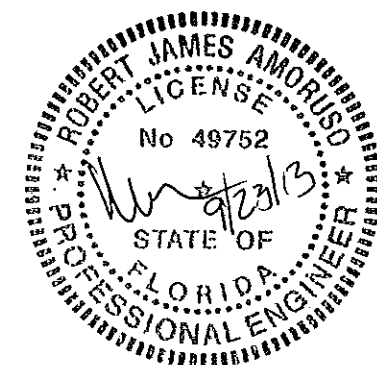
COMMENTS RECD 8/6/13

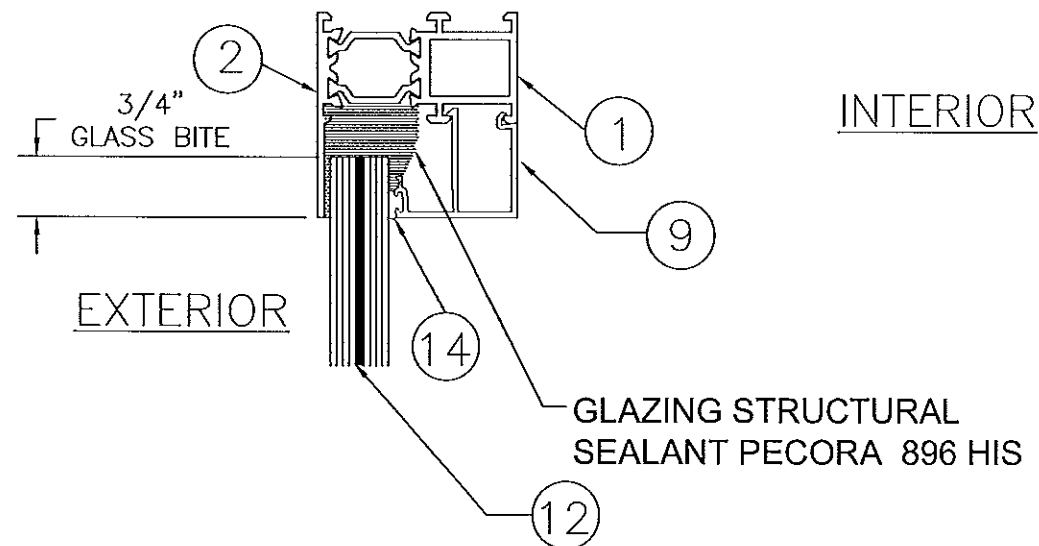
BY

RJA

Approved as complying with the
Florida Building Code
Date NOV 20 2013
NOA# 13-040914
Miami Dade Product Control
By Manuel Perez

Robert J. Amoroso, P.E.
Florida P.E. No. 49752

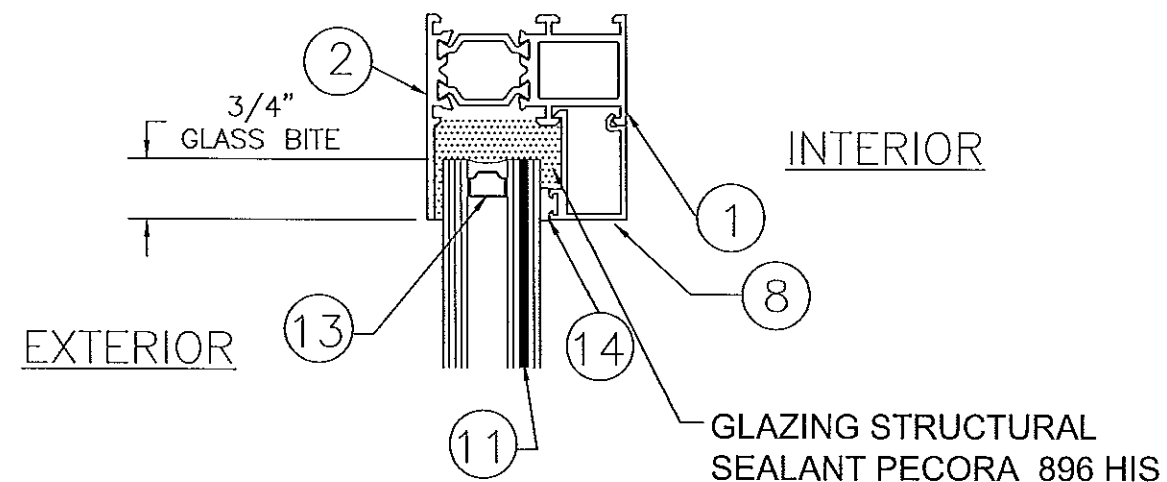




GLAZING DETAIL A

9/16" O.A. LAMINATED GLAZING

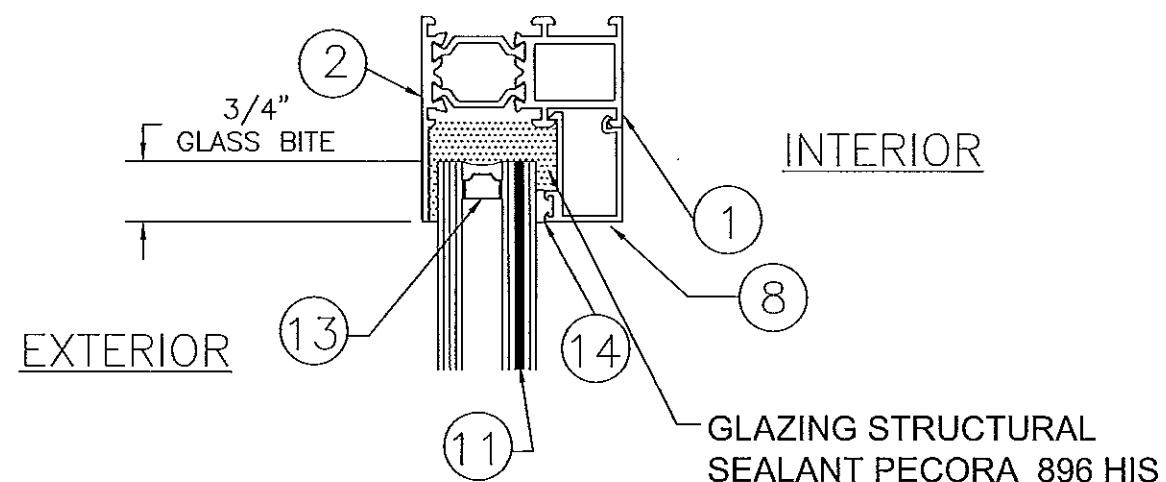
1/4" ANNEALED X 0.090" DUPONT BUTACITE PVB X 1/4" ANNEALED



GLAZING DETAIL B

1" LAMINATED INSULATING GLAZING

1/4" ANNEALED X 1/2" ALUMINUM AIR SPACE X 1/8" ANNEALED X
0.090" DUPONT BUTACITE PVB X 1/8" ANNEALED



GLAZING DETAIL C

1" LAMINATED INSULATING GLAZING

1/4" TEMPERED X 1/2" ALUMINUM AIR SPACE X 1/8" ANNEALED X
0.090" DUPONT BUTACITE PVB X 1/8" ANNEALED

GLAZING DETAIL NOTES:

1. SETTING BLOCK REQUIREMENTS

1.1. A MINIMUM OF TWO (2) NEOPRENE SETTING BLOCKS WITH 70 TO 90 SHORE A DUROMETER HARDNESS ARE REQUIRED AT BOTTOM (SILL) OF GLAZING LITES MORE THAN 3 FEET IN WIDTH IN ACCORDANCE WITH 2010 FBC, SECTION 2411.3.3.1.

1.2. SETTING BLOCK GEORGIA GULF RIGID VINYL SUPPLIED BY CENTRAL PLASTICS, SHORE A HARNES 90.

2. LARGE AND SMALL MISSILE IMPACT LIMITATIONS

2.1. GLAZING DETAILS A AND C APPROVED FOR LARGE MISSILE AND SMALL MISSILE IMPACT.

2.2. GLAZING DETAIL B APPROVED FOR LARGE MISSILE IMPACT ONLY.

2.3. GLAZING DETAIL B DOES NOT MEET SMALL MISSILE IMPACT WIND-BORNE DEBRIS PROTECTION REQUIREMENTS AS REQUIRED BY 2010 FBC, SECTION 2411.3.3.7 WHEN THE EXTERIOR SINGLE-PLY GLAZING IS ANNEALED (SHOWN).

PROJECT # 412-0906

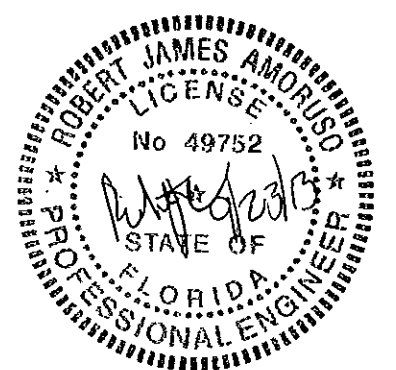
PEERLESS PRODUCTS, INC.
PO BOX 431, 2403 S. MAIN STREET
FORT SCOTT, KS 66701

TITLE: SERIES G041 FIXED ALUMINUM THERMALLY BROKEN WINDOW
GLAZING DETAILS

DATE: 02/13/13
DRAWING NO: PEER0001
SHEET: 13 OF 16
SCALE: N.T.S.
REV: A
DRAWN BY: RJA
PREPARED BY: RJA
PEERLESS PRODUCTS, INC.
PO BOX 431, 2403 S. MAIN STREET
FORT SCOTT, KS 66701
PHONE: 321.880.1788
FAX: 321.880.1789
EMAIL: info@pjc-corp.com

Approved as complying with the
Florida Building Code
Date: Nov 1, 2013
NOAH 13-0409.14
Miami Dade Product Control
By: Manuel Perez

Robert J. Amoroso, P.E.
Florida P.E. No. 49752



BILL OF MATERIALS					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	MATERIAL	MANUFACTURER OR REMARKS
1	3	032-004	INTERIOR FRAME	ALUMINUM ALLOY 6063-T5	PEERLESS PRODUCTS
2	3	032-036	EXTERIOR FRAME	ALUMINUM ALLOY 6063-T5	PEERLESS PRODUCTS
3	3	032-144	SUB FRAME CLOSURE	ALUMINUM ALLOY 6063-T5	PEERLESS PRODUCTS
4	3	032-182	INTERIOR RECEPTOR	ALUMINUM ALLOY 6063-T5	PEERLESS PRODUCTS
5	3	032-211	EXTERIOR RECEPTOR	ALUMINUM ALLOY 6063-T5	PEERLESS PRODUCTS
6	1	032-213	INTERIOR SUBSILL	ALUMINUM ALLOY 6063-T5	PEERLESS PRODUCTS
7	1	032-212	EXTERIOR SUBSILL	ALUMINUM ALLOY 6063-T5	PEERLESS PRODUCTS
8	4	032-040	1" GLAZING BEAD - VENT	ALUMINUM ALLOY 6063-T5	PEERLESS PRODUCTS
9	4	032-203	9/16" GLAZING BEAD - FIXED	ALUMINUM ALLOY 6063-T5	PEERLESS PRODUCTS
10	AS REQ'D	032-237	SERIES G041A STRAP ANCHOR	ALUMINUM ALLOY 6063-T5	PEERLESS PRODUCTS
11A	1	LC690NON	1" LAMINATED INSULATING GLAZING	1/4" ANNEALED X 1/2" ALUMINUM AIR SPACE X 1/8" ANNEALED X 0.090" DUPONT BUTACITE PVB X 1/8" ANNEALED	INSULITE GLASS CO.
11B	1	LC691NON	1" LAMINATED INSULATING GLAZING	1/4" TEMPERED X 1/2" ALUMINUM AIR SPACE X 1/8" ANNEALED X 0.090" DUPONT BUTACITE PVB X 1/8" ANNEALED	INSULITE GLASS CO.
12	1	LC9NON	9/16" O.A. LAMINATED GLAZING	1/4" ANNEALED X 0.090" DUPONT BUTACITE PVB X 1/4" ANNEALED	INSULITE GLASS CO.
13	AS REQ'D	81000178NON	INSULATING GLASS SPACER	13/32"	TECHNOFORM TGI SPACER
14	AS REQ'D	52000095NON	VINYL BULB SEAL/GASKET	SANTOPRENE TYPE 8201-70	EXXONMOBIL SUPPLIED BY CENTRAL PLASTICS
15	AS REQ'D	52000111NON	SUBSILL WEDGE GASKET	SANTOPRENE TYPE 8201-70	
16	AS REQ'D	52000128NON	SUBFRAME GASKET	SANTOPRENE TYPE 8201-70	
17	2	56000052NON	SUBFRAME WEEP CVR W/ CAP	PLASTIC	1"x3/16" WEEP SLOT WITH GATE BAFFLE LOCATED 2-1/2" FROM EACH END OF SUBFRAME - ROYAL PLASTICS
18	AS REQ'D	57000009NON	FRAME THERMAL BREAK	POLYAMIDE WITH REINFORCED GLASS FIBERS	PA66, GF25 BY ENSINGER OR TECHNOFORM
19	AS REQ'D	57000001NON	SUBFRAME THERMAL BREAK	POLYAMIDE WITH REINFORCED GLASS FIBERS	PA66, GF25 BY ENSINGER OR TECHNOFORM
20	AS REQ'D	57000001NON	SUBSILL THERMAL BREAK	POLYAMIDE WITH REINFORCED GLASS FIBERS	PA66, GF25 BY ENSINGER OR TECHNOFORM
21	AS REQ'D	---	INTERIOR SUBSILL CAP	ALUMINUM ALLOY 6063-T5	PEERLESS PRODUCTS
22	AS REQ'D	---	3/16" DIAMETER HEX HEAD OR FLAT HEAD CONCRETE SCREW	CARBON STEEL - COATED	ITW BUILDEX TAPCON (ADVANCED THREADFORM) ** OR ELCO ULTRACON **
23	AS REQ'D	---	1/4" DIAMETER HEX HEAD OR FLAT HEAD CONCRETE SCREW	CARBON STEEL - COATED	ITW BUILDEX TAPCON (ADVANCED THREADFORM) ** OR ELCO ULTRACON **
24A	AS REQ'D	---	NO. 12 WOOD OR TAPPING SCREW	CARBON STEEL - GRADE 2 - CORRISION PROTECTED	ANSI B18.6.1 (WS) OR ASME B18.6.4 (TS) **
24B	AS REQ'D	---	NO. 14 WOOD OR TAPPING SCREW	CARBON STEEL - GRADE 2 - CORRISION PROTECTED	ANSI B18.6.1 (WS) OR ASME B18.6.4 (TS) **
** SEE INSTALLATION ANCHOR SCHEDULE ON SHEET 2					


PROJECT # 412-0906

REV	DESCRIPTION	DATE	BY
A	REVISED PER MIAMI-DADE COMMENTS REC'D 8/6/13	9/23/13	RJA

PEERLESS PRODUCTS, INC.
PO BOX 431, 2403 S. MAIN STREET
FORT SCOTT, KS 66701

TITLE: SERIES G041 FIXED ALUMINUM THERMALLY BROKEN WINDOW
BILL OF MATERIALS

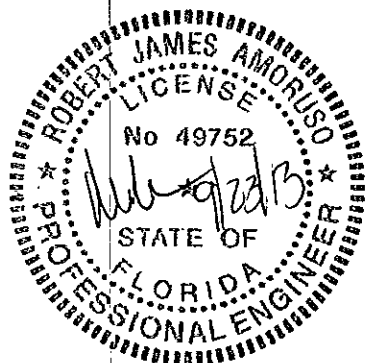
DATE:	02/13/13
DRAWING NO:	PEER0001
SHEET:	14 OF 16
DRAWN BY:	RJA
SCALE:	N.T.S.
REV:	A

PREPARED BY: 
PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32752
Phone: 321.850.1788
Fax: 321.850.1789
Email: info@ptc-corp.com
PPE CA, INC. 23835

Approved as complying with the
Florida Building Code
Date: NOV. 7, 2013
NOA# 13-0469-14
Miami Dade Product Control

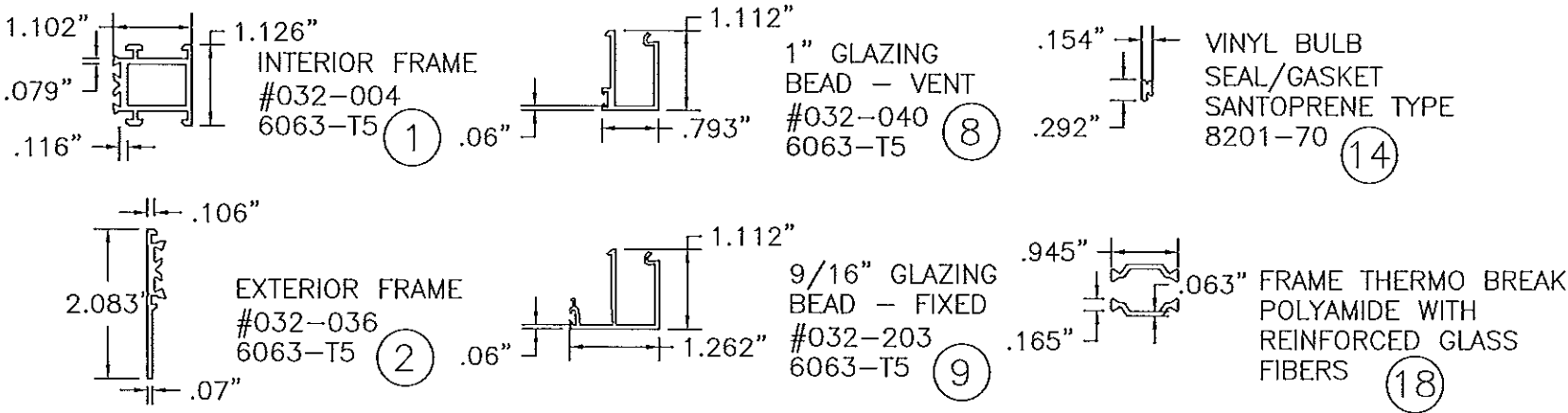
By: 

Robert J. Amoroso, P.E.
Florida P.E. No. 49752

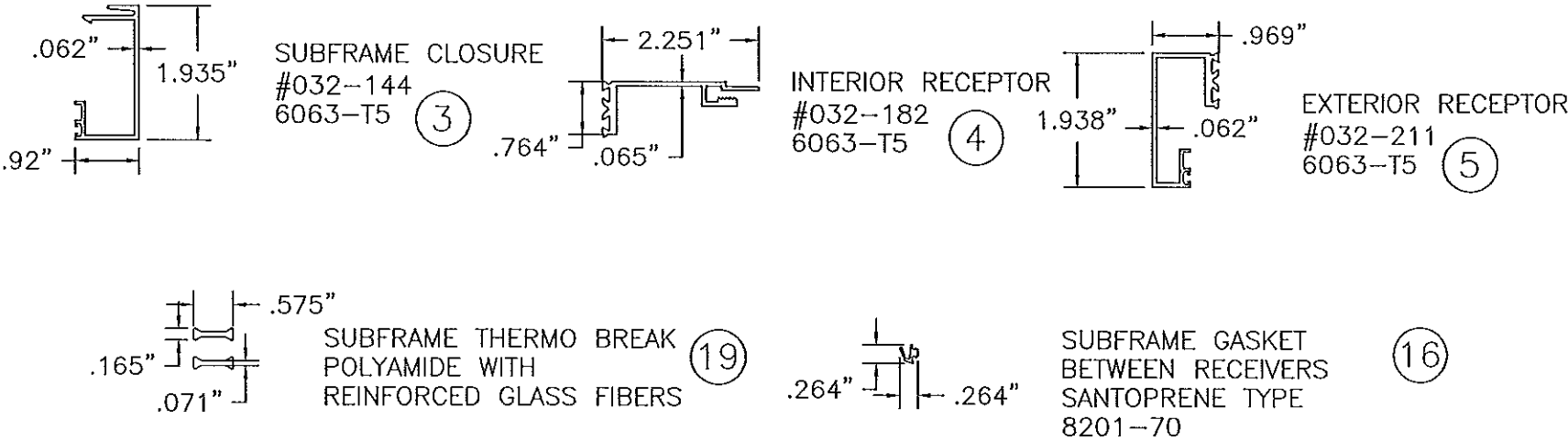


COMPONENT DETAILS

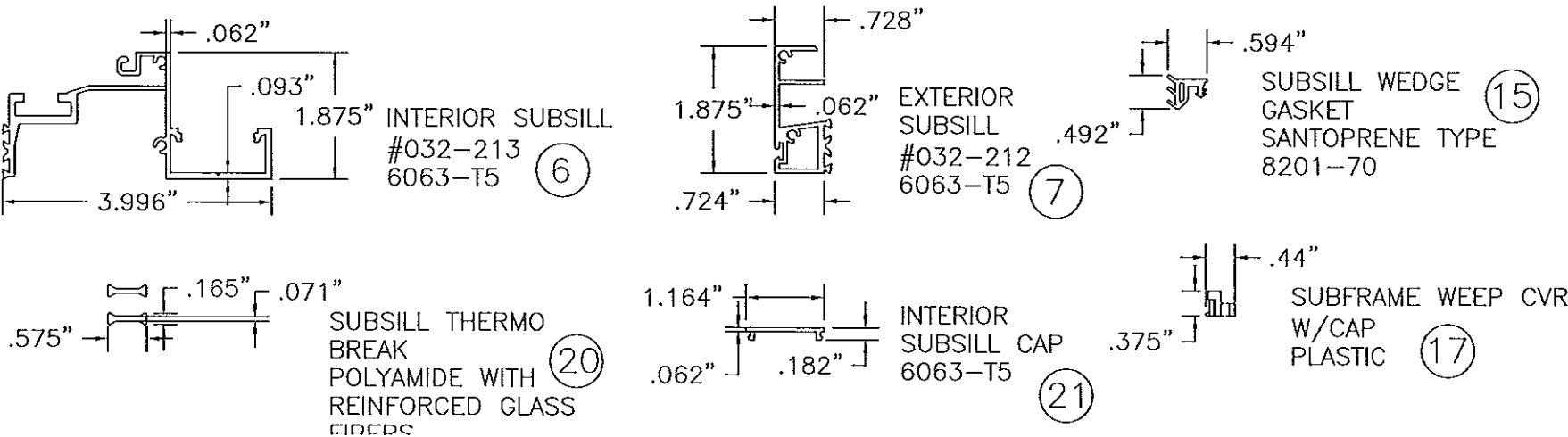
G041A AND G041B COMPONENTS



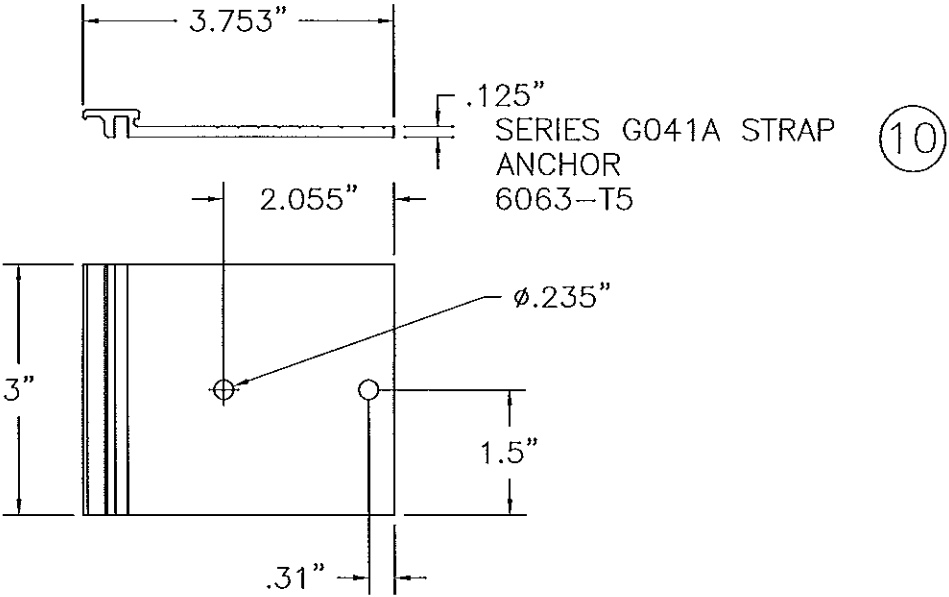
G041B COMPONENTS - HEAD AND JAMBS



G041B COMPONENTS - SILL



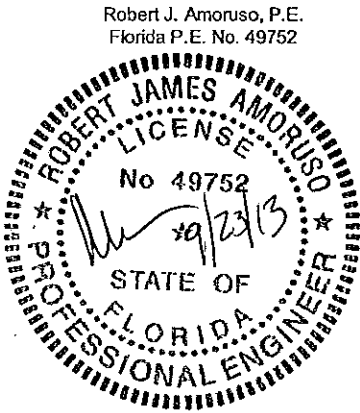
G041A ONLY COMPONENT



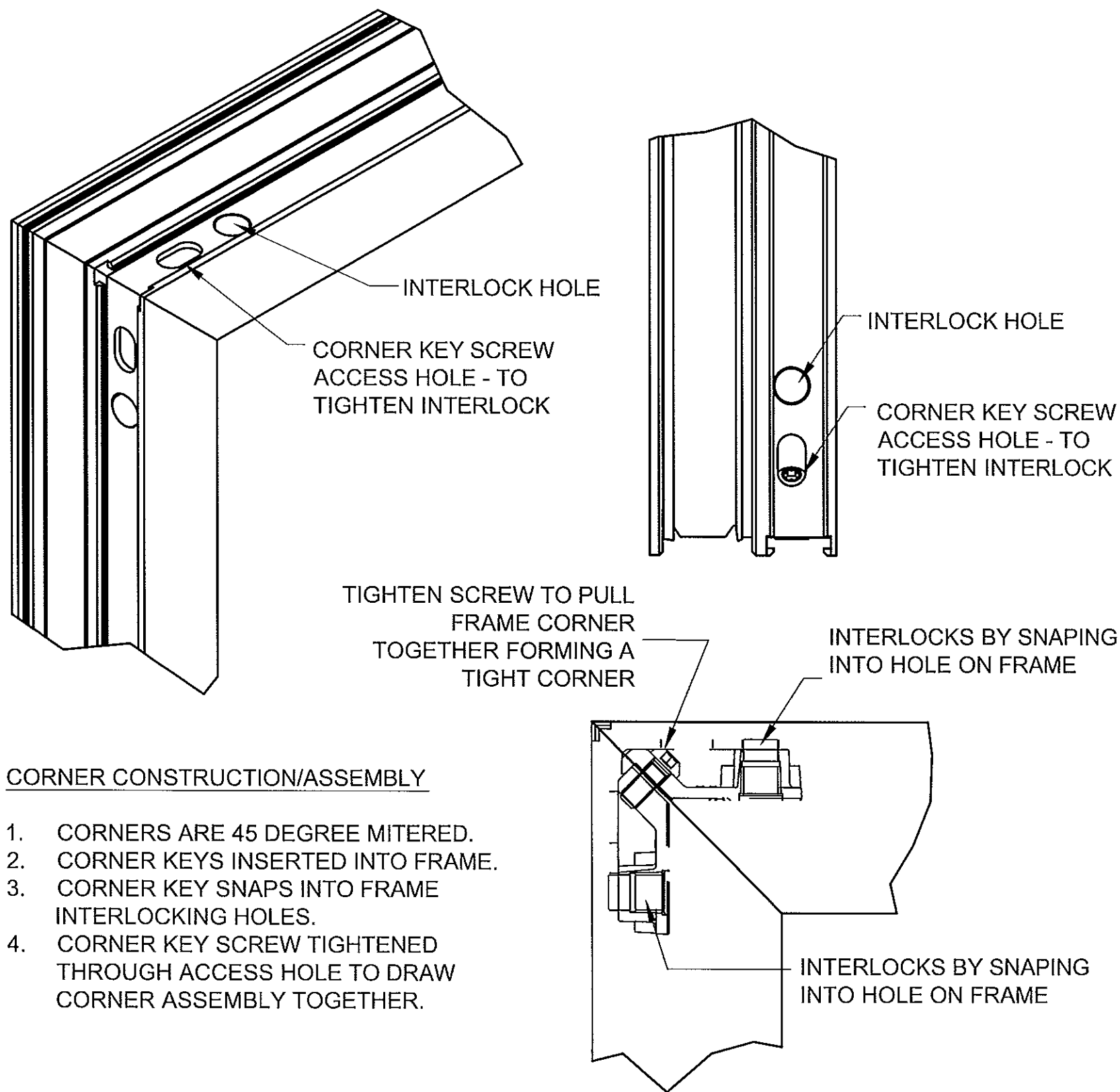
PROJECT # 412-0906				
			REVISED PER MIAMI-DADE COMMENTS REC'D 8/6/13	9/23/13
			DESCRIPTION	DATE
			REV	BY

<div>PTC PRODUCT DESIGN GROUP, LLC PO BOX 523775 LONGWOOD, FLORIDA 32752 FBPE C.A. NO. 23835 Phone: 321.680.1788 Fax: 321.680.1789 Email: info@ptc-corp.com</div>	PREPARED BY:		DRAWN BY:		DATE:	02/13/13
			RJA		DRAWING NO:	PEER0001
			N.T.S.		SCALE:	
			A		REV:	SHEET:
TITLE: SERIES G041 FIXED ALUMINUM THERMALLY BROKEN WINDOW COMPONENT DETAILS						
PEERLESS PRODUCTS, INC. PO BOX 431, 2403 S. MAIN STREET FORT SCOTT, KS 66701						

Approved as complying with the
Florida Building Code
Date Nov. 7, 2013
NOA# 13-0409.14
Miami Dade Product Control
By: Mamuel Perez



CORNER CONSTRUCTION



CORNER CONSTRUCTION/ASSEMBLY

1. CORNERS ARE 45 DEGREE MITERED.
2. CORNER KEYS INSERTED INTO FRAME.
3. CORNER KEY SNAPS INTO FRAME INTERLOCKING HOLES.
4. CORNER KEY SCREW TIGHTENED THROUGH ACCESS HOLE TO DRAW CORNER ASSEMBLY TOGETHER.

PROJECT # 412-0906

PEERLESS PRODUCTS, INC. PO BOX 431, 2403 S. MAIN STREET FORT SCOTT, KS 66701		DATE: 02/13/13	REVISION: 9/23/13	BY: RJA
TITLE: SERIES G041 FIXED ALUMINUM THERMALLY BROKEN WINDOW CORNER CONSTRUCTION		DRAWING NO: PEER0001	DESCRIPTION: REVISED PER MIAMI-DADE COMMENTS REC'D 8/6/13	DATE: 9/23/13
PREPARED BY: RJA	SCALE: N.T.S.	REV: A	REV: A	BY: RJA
PTC PRODUCT DESIGN GROUP, LLC PO BOX 620775 LONGWOOD, FLORIDA 32792 PSPE C/O, INC. 2535		DATE: 02/13/13		

Approved as complying with the
Florida Building Code
Date: Nov. 7, 2013
NOA# 13-0409.14
Miami Dade Product Control
By: *Marcus Perry*

Robert J. Amoroso, P.E.
Florida P.E. No. 49752

